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SAN FRANCISCO PUBLIC HEALTH

1951

STATISTICAL REPORT

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S T A T I S T I C A L R E P O R T - 1954

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CITY AND COUNTY OF SAN FRANCISCO

DEPARTMENT OF PUBLIC HEALTH

CENTRAL OFFICE
101 GROVE STREET
ZONE 2

PREFACE

The patient of the San Francisco Department of Public Health is comprised of the approximately 800,000 people who live in the City and County of San Francisco and the environment in which they live and work, whether that environment is physical or emotional.

These statistical data are in part an index of the state of health of the City and County of San Francisco. The data contained herein do not reflect the medical care activities of the Department of Public Health except those of the Emergency Hospital Service. None of the data reflects the activities of the three major institutions operated by this department: the San Francisco Hospital with its 1100 beds for acute care and for the care of the tuberculous; Hassler Health Home with its 270 beds for the care of the tuberculous; and Laguna Honda Home with its 900 chronic hospital beds and 1100 beds for its residents.

We wish to express our appreciation to Mr. Ralph Fancher, Statistician, and his staff for the preparation of this report.

Ellis D. Sox, M. D.
Director of Public Health

October 1, 1955

POPULATION - SAN FRANCISCO

During 1954 the estimated population increase was only 2,200 or less than 1% over the previous year of 1953. The estimated population of San Francisco City-County was 785,900 as of July 1, 1954. The relationship of males to females remains 1.01 to 1 or 50.3% males and 49.7% females.

Breaking down percentagewise the estimated population by race there are 89.5% or 703,323 white residents, 5.6% or 44,093 negro residents, 3.2% or 25,150 Chinese residents, 0.7% or 5,654 Japanese residents and 0.9% or 7,678 residents of other races. These estimates are based on the actual 1950 census data. Undoubtedly there is a higher number of Chinese and Japanese than our estimates indicate.

Utilizing the census tracts the current population centers in five principal areas, Tract J being the most densely populated, "A" second, "M", "L" and "N" following in that order. Over the past several years there has been an increase in population in the areas L, M and N exceeding that expected in Natural growth in these areas, indicating that our population is dispersing to the less centralized census tracts from the more densely populated areas.

POPULATION ESTIMATE - JULY 1, 1954

SAN FRANCISCO

AGE GROUPS	1950 POPULATION	PERCENT OF TOTAL		ESTIMATE 7/1/54	
Under 1 year	13,275	1.71		13,455	
1 - 4	49,646	6.40		50,321	
Under 5 years	62,921	8.11		63,777	
5 - 9	41,985	5.41	9.79	42,594	77,015
10 - 14	33,959	4.37		34,421	
15 - 19	39,643	5.11	12.81	40,182	100,709
20 - 24	59,715	7.70		60,527	
25 - 29	69,616	8.97	17.17	70,563	135,004
30 - 34	63,577	8.19		64,441	
35 - 39	65,793	8.48	16.7	66,688	131,273
40 - 44	63,719	8.21		64,585	
45 - 49	59,544	7.67		60,353	
50 - 54	54,816	7.06		55,562	
55 - 59	46,295	5.97	35.39	46,924	278,160
60 - 64	39,724	5.12		40,264	
65 - 69	31,996	4.12		32,433	
70 & Over	42,052	5.42		42,624	
TOTAL	775,357			785,900	

SEX

MALE	389,866	50.28	395,167
FEMALE	385,491	49.71	390,733

RACE

WHITE	693,888	89.49	703,283
NEGRO	43,502	5.61	44,093
CHINESE	24,813	3.20	25,150
JAPANESE	5,579	0.71	5,654
OTHER	7,575	0.97	7,678

21 YEARS AND OVER	1950 POPULATION	PERCENT OF TOTAL	1954 ESTIMATE
MALE	291,297	37.50	295,258
FEMALE	294,155	37.56	298,238
TOTAL	585,452	75.50	593,413

ESTIMATED CENSUS TRACT POPULATION *

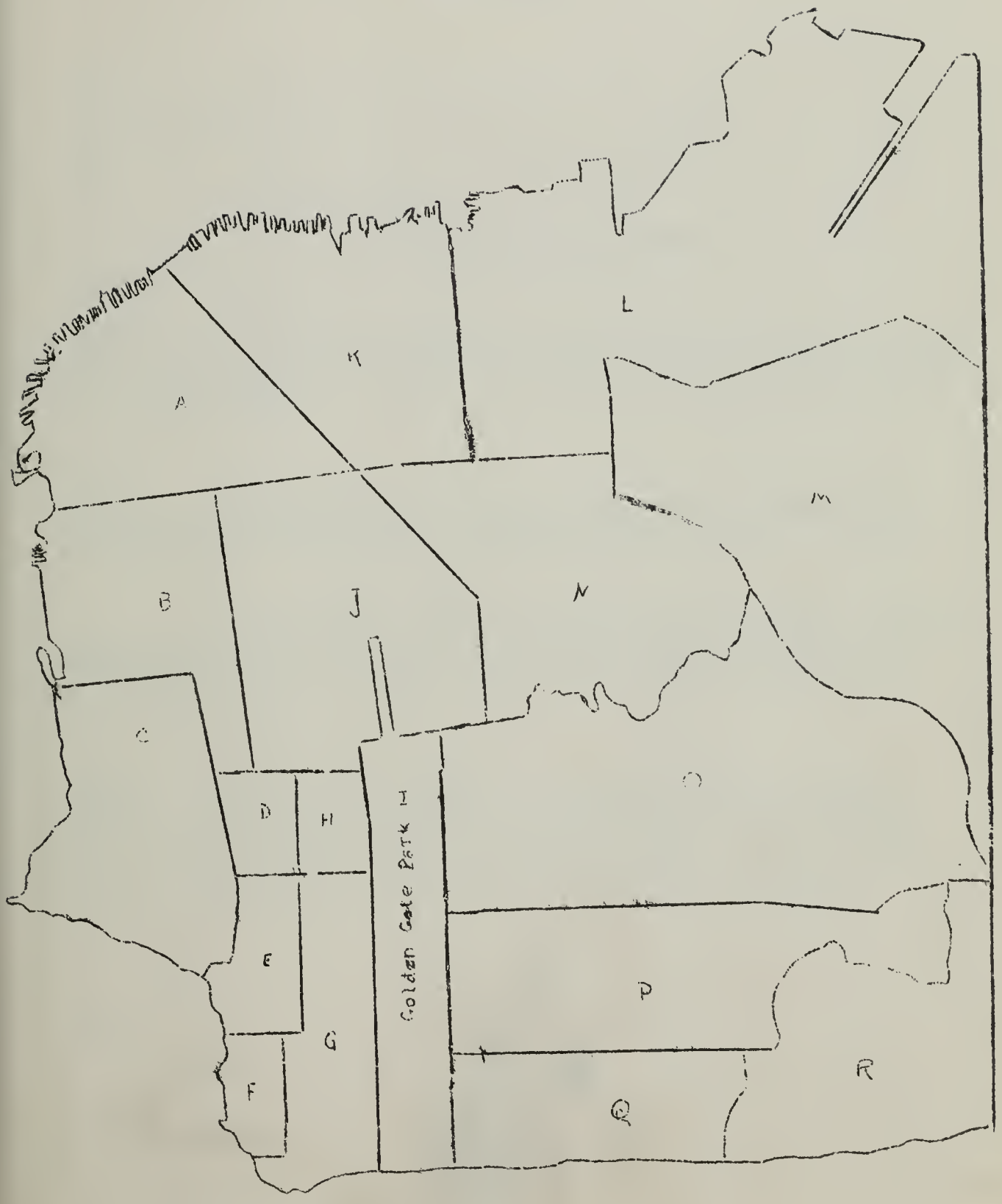
JULY 1, 1954 - SAN FRANCISCO

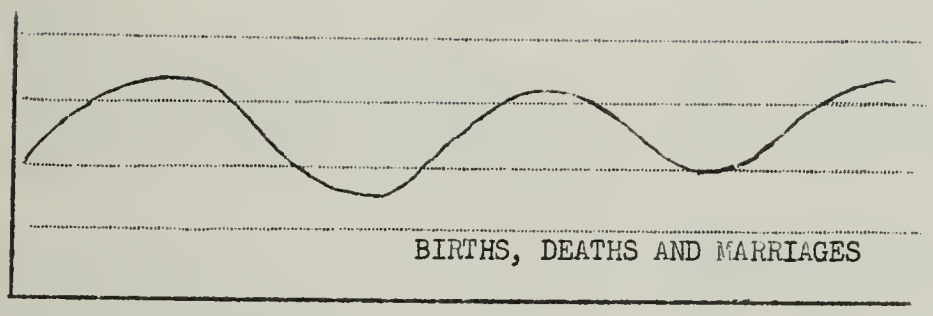
A	105,345	J	122,097
B	58,119	K	31,221
C	4,920	L	82,713
D	10,194	M	84,701
E	14,136	N	80,986
F	370	O	74,954
G	28,469	P	45,144
H	11,531	Q	27,700
I	28	R	129
TOTAL OF CENSUS TRACTS			785,900

* Population estimates based as of 7/1/54 by Division of Budgets and Accounts, DEPARTMENT OF FINANCE, California State.

CENSUS TRACT AREAS

SAN FRANCISCO





MARRIAGES: There were 6,819 marriage licenses issued in San Francisco during 1954. This is 2.4% fewer than 1953 and 9.4% less than 1952. If the current trend continues it may be expected that approximately 6,600 licenses will be issued during 1955.

DEATHS: The death rate for 1954 was 11.6, a slight decrease from the previous year when it was 12.0. Statewide the death rate was 8.8, and the national death rate was 9.2 (Provisional) for 1954.

Infant Mortality Rate was 24.8 per 1,000 live births. This was an increase over the 1953 when the Infant Mortality Rate was 22.7. Maternal deaths, although still less than 1 per 1,000 live births rose from 0.2 in 1953 to 0.5 in 1954.

BIRTHS: The birth rate was 19.3, a very slight decrease from 1953. San Francisco's birth rate was lower than California's which was 24.5, and that of the United States which was 25.0 (Provisional). While the birth rate for San Francisco has shown a decline over the past 5 years, the birth rate has increased over the same period for the State of California.

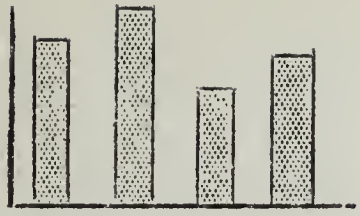
CITY AND COUNTY OF SAN FRANCISCO

VITAL STATISTICS, 1954, 1953

	1954			1953		
	RESIDENT Number	Rate	Recorded	RESIDENT Number	Rate	Recorded
POPULATION	785,900			783,700		
MARRIAGES			6,819			7,091
LIVE BIRTHS (Rate per 1,000 population)	15,171	19.3	19,723	15,364	19.6	19,038
DEATHS ALL CAUSES (Rate per 1,000 population)	9160	11.6	9531	9438	12.0	9649
STILLBIRTHS (Rate per 1,000 live births)	281	18.5	343	221	14.4	266
DEATHS UNDER 28 DAYS (Rate per 1,000 live births)	294	19.4	365	285	18.5	351
DEATHS UNDER 1 YEAR (Rate per 1,000 live births)	376	24.8	481	349	22.7	460
PUERPERAL DEATHS (Rate per 1,000 live births)	7	0.5	11	3	0.2	4

Cause of Death with International Code Number		RESIDENT Deaths	Rate*	Recorded	RESIDENT Deaths	Rate*	Recorded
SELECTED COMMUNICABLE DISEASES:							
TUBERCULOSIS, RESPIRATORY	(001-008)	114	14.5	92	138	17.6	101
TUBERCULOSIS, OTHER FORMS	(010-019)	17	2.2	21	6	0.6	7
SYPHILIS	(020-029)	48	6.1	45	37	4.7	45
TYPHOID FEVER	(040)	0	-	0	0	-	0
DIPHTHERIA	(055)	0	-	0	1	0.1	1
MENINGOCOCCAL INFECTION	(057)	4	0.5	4	5	0.6	6
POLIOMYELITIS	(080)	5	0.6	15	11	1.4	17
ENCEPHALITIS, INFECTIOUS	(082-083)	2	0.3	3	0	-	2
MEASLES	(085)	0	-	0	2	0.3	2
INFLUENZA	(480-483)	2	0.3	2	8	1.0	6
PNEUMONIA	(490-493)	235	29.9	200	310	39.6	276
SELECTED DISEASES USUALLY CHRONIC:							
MALIGNANT NEOPLASMS	(140-205)	1546	196.7	1882	1546	197.3	1866
Cancer of Respiratory System	(160-164)	204	26.0	259	206	26.3	242
Leukemias	(204)	59	7.5	108	74	9.4	118
GOITRE	(251-252)	2	0.3	0	1	0.1	2
DIABETES	(260)	110	14.0	108	87	11.1	90
ULCER - STOMACH & DUODENUM	(540-541)	97	12.3	104	99	12.6	116
HERNIA - INTESTINAL OBSTRUCTION	(560,561,570)	60	7.6	61	60	7.7	65
CIRRHOSIS OF THE LIVER	(581)	334	42.5	348	345	44.0	354
CARDIO-VASCULAR RENAL DISEASE:							
VASCULAR LESIONS, C.N.S.	(330-334)	865	110.1	836	935	119.3	875
RHEUMATIC FEVER	(400-402)	9	1.0	6	8	1.0	9
HEART DISEASE - ALL FORMS	(410-443)	3653	464.8	3596	3794	484.1	3647
Chr. Rheumatic Heart Disease	(410-416)	137	17.4	161	113	14.4	147
Arteriosclerotic & Degenerative H.D.	(420-422)	3075	391.3	3004	3160	403.2	2981
Other Diseases of the Heart	(430-434)	63	8.0	65	59	7.5	67
Hypertensive Heart Disease	(440-443)	378	48.1	362	462	59.0	452
HYPERTENSION WITHOUT HEART DISEASE	(444-447)	61	7.8	68	66	8.4	67
OTHER DISEASES CIRCULATORY SYSTEM	(450-468)	357	45.4	365	309	39.4	309
Arteriosclerosis	(450)	207	26.3	192	194	24.8	173
NEPHRITIS, CHRONIC & UNSPECIFIED	(592-594)	58	7.4	73	56	7.1	63
PUERPERAL DEATHS	(640-689)	7	0.9	11	3	0.4	4
CONGENITAL DEFECTS	(750-759)	77	9.8	150	100	12.8	166
DISEASES OF EARLY INFANCY	(760-776)	252	32.1	174	237	30.2	290
ACCIDENTS:							
ALL ACCIDENTS	(800-962)	480	61.1	433	492	62.8	446
MOTOR VEHICLE	(810-835)	130	16.5	92	124	15.8	85
HOME ACCIDENTS	(870-936,961-2)	326	41.5	328	157	20.0	164
SUICIDES	(970-979)	200	25.4	209	182	23.2	181
HOMICIDES	(980-985)	38	4.8	43	52	6.6	52
ALL OTHER CAUSES		544		682	545		584

* Rates per 100,000 population.



RANKING CAUSES OF DEATH

The first five ranking causes of death were the same as in 1953. The disease which decreased from sixth to seventh place in 1954 was Pneumonia and Influenza. The Diseases of Early Infancy increased from seventh to sixth ranking cause of death during 1954.

The first five leading causes of death by sex are the same as 1953, and correspond to the first five ranking causes of death for all ages for 1954. For males, the ten ranking causes of death remain the same as 1953 with the exception of Suicides which dropped from seventh to eighth place, Diseases of Early Infancy remaining in seventh place. Deaths all ages for females by ranking causes remained the same in 1954 as in 1953 with the exception of Arteriosclerosis, and Pneumonia and Influenza. Arteriosclerosis rose to sixth ranking cause of death from the eighth place and Pneumonia and Influenza decreased from sixth place to eighth ranking cause of death.

HEART DISEASE: Heart Disease does not appear as the leading cause of death until the Age Group 25-44 years. In 1953 heart disease did not appear in the top ten leading causes of death until after 45 years of age.

MALIGNANT NEOPLASMS: Malignant Neoplasms are the 2nd ranking cause of death in all ages over 5 years. in the age group under 5 years, malignant neoplasms are the 3rd ranking cause of death.

ACCIDENTS: The leading cause of death is Accidents for all age groups under 25 years. In the age group 25-44, accidents rank as the 3rd leading cause and the 5th ranking cause of death over 45 years of age.

CIRRHOSIS OF THE LIVER: The greatest number of deaths due to Cirrhosis of the Liver occur in the age group 25-44 where it is the 4th ranking cause of death, and in the 45-64 age group where it is the 3rd ranking cause of death. The highest rate for cirrhosis of the liver by age group 45-64 years is 96.5 per 100,000 population.

TUBERCULOSIS: This is the only reportable disease occurring in the ten ranking causes of death, with 16.6 deaths due to tuberculosis per 100,000 population. In males the death rate is 26.8 per 100,000, but it does not occur as one of the ten ranking causes of deaths for females.

RANKING CAUSES OF DEATH

DEATHS, ALL AGES

1954 Rank	1953 Rank	CAUSE OF DEATH	1954 Deaths	Rate*	1953 Rate*	1952 Rate*
		ALL CAUSES	9160	1165.5	1203.9	1250.1
1	1	HEART DISEASE	3653	464.8	484.1	500.3
2	2	MALIGNANT NEOPLASMS	1546	196.7	197.3	204.5
3	3	VASCULAR LESIONS OF C.N.S.	865	110.1	119.3	121.6
4	4	ACCIDENTS	480	61.1	62.8	72.2
5	5	CIRRHOSIS OF LIVER	334	42.5	44.0	41.7
6	7	DISEASES OF EARLY INFANCY	252	32.1	30.2	36.0
7	6	PNEUMONIA & INFLUENZA	237	29.9	40.6	30.4
8	8	ARTERIOSCLEROSIS	207	26.3	24.8	30.2
9	9	SUICIDES	200	25.4	23.2	23.5
10	10	TUBERCULOSIS	131	16.6	18.4	27.6

RANKING CAUSES OF DEATH BY SEX

MALES - DEATHS ALL AGES

1954 Rank	Cause of Death	1954 Deaths	Rate*	1953 Rate*
	ALL CAUSES	5362	1356.9	1397.0
1	HEART DISEASE	2193	569.4	573.3
2	MALIGNANT NEOPLASMS	840	212.6	207.8
3	VASC. LESIONS OF CNS.	400	102.0	112.7
4	ACCIDENTS	314	80.1	85.3
5	CIRRHOSIS OF LIVER	216	55.1	55.6
6	INFLUENZA & PNEUMONIA	153	38.7	52.5
7	DIS. EARLY INFANCY	152	38.5	32.5
8	SUICIDES	143	36.2	32.5
9	TUBERCULOSIS	106	26.8	32.0
10	ARTERIOSCLEROSIS	101	25.6	23.0

FEMALES - DEATHS ALL AGES

1954 Rank	Cause of Death	1954 Deaths	Rate*	1953 Rate*
	ALL CAUSES	3798	972.0	1008.6
1	HEART DISEASE	1460	373.6	394.2
2	MALIGNANT NEOPLASMS	706	180.7	186.6
3	VASC. LESIONS OF CNS.	465	119.0	126.0
4	ACCIDENTS	166	42.5	40.0
5	CIRRHOSIS OF LIVER	118	30.2	32.3
6	ARTERIOSCLEROSIS	106	27.1	25.9
7	DIS. EARLY INFANCY	100	25.6	28.0
8	INFLUENZA & PNEUMONIA	84	21.5	28.5
9	SUICIDES	57	14.6	13.9
10	CONGENITAL DEFECTS	39	10.0	13.3

* All Rates per 100,000 Population.

RANKING CAUSES OF DEATH (Continued)

1954 Rank	CAUSE OF DEATH 1 - 4 Years	1954 Deaths	Rate*
	ALL CAUSES	54	107.3
1	ACCIDENTS	15	29.8
2	CONGENITAL DEFECTS	12	23.8
3	MALIGNANT NEOPLASMS	8	15.9
4	HEART DISEASES	2	4.0
4	TUBERCULOSIS	2	4.0
4	CHRONIC NEPHRITIS	2	4.0
7	ALL OTHERS (1 each) (Meningococcal Infection, Poliomyelitis, Benign Neoplasm, Hemorrhagic Purpura, Unspecified Meningitis, Appendicitis, Gastro-Enteritis under 2 yrs., Nephrosis 2 yrs., & Renal Sclerosis and Homicide).	13	

1954 Rank	CAUSE OF DEATH 5 - 14 Years	1954 Deaths	Rate*
	ALL CAUSES	26	33.8
1	ACCIDENTS	10	13.0
2	MALIGNANT NEOPLASMS	7	9.1
3	PNEUMONIA	2	2.6
4	ALL OTHERS (1 Each) (Poliomyelitis, Diabetes, Intercranial Abscess, Epilepsy & Chronic Nephritis, Scleroderma, Respiratory Congenital Defect).	7	

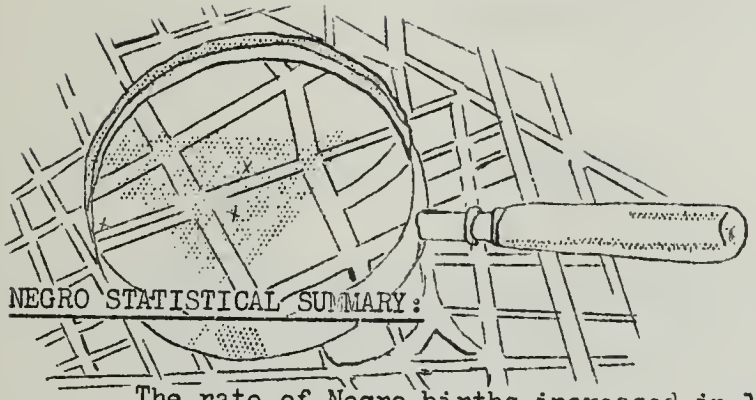
1954 Rank	CAUSE OF DEATH 15 - 24 Years	1954 Deaths	Rate*
	ALL CAUSES	65	64.5
1	ACCIDENTS	24	23.8
2	MALIGNANT NEOPLASMS	10	9.9
3	TUBERCULOSIS	5	5.0
3	HEART DISEASE	5	5.0
3	SUICIDES	5	5.0
6	HOMICIDES	3	2.0
7	CONGENITAL DEFECTS	2	1.9
8	ALL OTHERS (1 Each) (Asthma, Diabetes, Encephalitis, Epilepsy, Diseases of the Arteries, Venous Thrombosis, Hypertrophy of Tonsil, Chronic Enteritis, Chronic Cystitis, Chronic Nephritis, Delivery without complication).	11	

1954 Rank	CAUSE OF DEATH 25 - 44 Years	1954 Deaths	Rate*
	ALL CAUSES	602	226.1
1	HEART DISEASE	115	43.2
2	MALIGNANT NEOPLASMS	105	39.4
3	ACCIDENTS	82	30.8
4	CIRRHOSIS OF LIVER	61	22.9
5	SUICIDES	60	22.5
6	TUBERCULOSIS, ALL FORMS	26	9.8
7	VASC LESIONS OF CNS.	21	7.9
8	HOMICIDES	20	7.5
9	PNEUMONIA & INFLUENZA	13	4.9
10	NEPHRITIS (Chronic & Unspecified	8	3.0
	ALL OTHER CAUSES	91	

1954 Rank	CAUSE OF DEATH 45 - 64 Years	1954 Deaths	Rate*
	ALL CAUSES	2830	1393.4
1	HEART DISEASE	1049	516.5
2	MALIGNANT NEOPLASMS	608	299.4
3	CIRRHOSIS OF LIVER	196	96.5
4	VASC. LESIONS OF CNS.	180	88.6
5	ACCIDENTS	136	67.0
6	HOMICIDES	94	46.3
7	PNEUMONIA & INFLUENZA	75	36.9
8	ULCERS OF STOMACH and DUODENUM	42	20.7
9	DIABETES	36	17.7
10	NEPHRITIS (Chronic & Unspecified)	23	11.3
	ALL OTHERS	391	

1954 Rank	CAUSE OF DEATH 65 and Over	1954 Deaths	Rate*
	ALL CAUSES	5206	6936.1
1	HEART DISEASE	2481	3305.6
2	MALIGNANT NEOPLASMS	806	1073.9
3	VASC. LESIONS OF CNS.	641	854.0
4	ARTERIOSCLEROSIS	195	259.8
5	ACCIDENTS	184	245.1
6	PNEUMONIA & INFLUENZA	135	179.9
7	DIABETES	67	89.3
8	TUBERCULOSIS	46	61.3
9	SUICIDES	41	54.6
10	HYPERTENSION	39	51.9
	ALL OTHERS	571	

All rates per 100,000 population.



NEGRO STATISTICAL SUMMARY:

The rate of Negro births increased in 1954 to 45.0 per 1, 000 population. This is an increase of approximately 3 per 1,000 population over 1953, when the birth rate was 43.5. The negro birth rate is about 2 1/3 times greater than that for the entire city. The ratio of negro birth over deaths is 5.4 to 1 as compared to the City-County which has a ratio of 1.6 to 1. The number of negro deaths was 366 with a death rate of 8.3; city-wide the death rate was 11.6.

Infant mortality in the negroes exceeds that of the Chinese or the whole city. The infant mortality rate for negroes is 39.3, for the chinese 25.1, and for the city 24.8. The Neonatal Death rate for negroes is also higher than the city or for the Chinese, the rates being 32.7 for the negroes, 19.4 for the city and 12.0 for the Chinese.

Of the ten ranking causes of death for the negro population only six are the same as those for the entire city. The most notable exception of ranking causes of death is that listed as 2nd for negroes and 6th city-wide--Diseases of Early Infancy. Homicides are listed as 8th leading cause of death in the negro population and represent 3.8% of all negro deaths and 21.1% of all homicides for San Francisco residents.

The bulk of the negro births and deaths occurred in census areas "J", "L" and "M", as in 1953, with an increasing number of births occurring in census areas "L" and "M". The increase in the number of births from 1953 to 1954 in these two census areas would seem to indicate that there is some geographical shift of the negro population in San Francisco.

NEGRO STATISTICAL SUMMARY - 1954

(BY RESIDENCE UNLESS STATED OTHERWISE)

	NEGROES			ENTIRE CITY		
	M	F	T	M	F	T
POPULATION*			44,093			785,900
BIRTHS	958	1027	1,985	7742	7429	15,171
RATE PER 1,000 POPULATION			45.0			19.3
STILLBIRTHS	30	13	43			281
(Fetal Deaths)						
RATE PER 1,000 ALL BIRTHS			21.7			18.5
DEATHS	210	156	366	5362	3798	9160
RATE PER 1,000 POPULATION			8.3			11.6
DEATHS UNDER 1 YEAR	43	35	78	221	155	376
RATE PER 1,000 LIVE BIRTHS	45.8	34.1	39.3	28.5	20.9	24.8
DEATHS UNDER 28 DAYS	37	30	65	176	118	294
RATE PER 1,000 LIVE BIRTHS	38.6	29.2	32.7	22.7	15.9	19.4

DEATHS FROM PRINCIPAL CAUSES

	NEGRO			ENTIRE CITY		
	Rank	Deaths	Rate**	Rank	Deaths	Rate**
HEART DISEASE	1	72	163.3	1	3653	464.8
DISEASES OF EARLY INFANCY	2	58	131.5	6	252	32.1
MALIGNANT NEOPLASMS	3	56	127.0	2	1546	196.7
ACCIDENTS	4	40	90.7		480	61.1
VASC. LESIONS OF CNS.	5	28	63.5	3	865	110.1
HYPERTENSION	6	18	40.8	-	61	7.8
TUBERCULOSIS	7	17	38.6	10	131	16.6
HOMICIDES	8	14	31.8	-	38	4.8
CONGENITAL DEFECTS	9	12	27.2	-	77	9.8
SYPHILIS	10	9	20.4	-	48	6.1
OTHER CAUSES						
CIRRHOSIS OF LIVER		8	18.1	5	334	42.5
PNEUMONIA & INFLUENZA		8	18.1	7	237	29.9
ARTERIOSCLEROSIS		5	11.3	8	207	26.3
KIDNEY INFECTIONS		4	9.1	-	36	4.6
DIABETES		3	6.8	-	110	14.0
SUICIDES		3	6.8	10	200	25.4
ANEURYSMS		2	4.5	-	77	9.8
ULCER OF STOMACH AND DUODENUM		2	4.5	-	97	12.3
OTHER		24	-	-	704	-

* Estimated as of 7-1-54.
** Rate per 100,000 Population.

CHINESE STATISTICAL SUMMARY:

In 1954 there were 917 births and 264 deaths of Chinese residents of San Francisco. The ratio of births over deaths in the Chinese population was 3.5 to 1 whereas city-wide the ratio of births over deaths was 1.6 to 1. The birth rate was 36.5 and the death rate 10.5 per 1,000 population. Although the death rate for Chinese residents is very nearly that of the city, 10.5 for Chinese, 11.6 City-Wide per 1,000 population, the birth rate for the Chinese is nearly twice that of the entire city.

Infant Mortality for this group was 25.1 per 1,000 live births as against 39.3 for the negro and 24.8 per 1,000 live births city-wide. Here too, the Chinese infant mortality rate nearly parallels that of the entire city. The Neonatal Death Rate for the Chinese is 12.0 per 1,000 live births. This rate continues to remain lower than for the negro and the city-wide rate in 1954, as in the past several years.

Only two of the ten leading causes of death in the Chinese resident population do not appear in the ten ranking causes of death for San Francisco. These are Congenital Defects and Diabetes. It is significant to note that Tuberculosis is the fifth ranking cause of death (67.0 /100,000) among the Chinese, seventh among the negroes and tenth leading cause of death city-wide.

It should be also noted that Suicides rank fourth as a leading cause of death among the Chinese and represent 6.4% of all Chinese deaths and 7.0% of the 200 suicides of San Francisco residents. The degenerative diseases are the first three leading causes of death among the Chinese and correspond to the three ranking causes of death city-wide.

The majority of the Chinese population is concentrated in Census Area "A". However, there is increasing evidence which would indicate that there is some diffusing of the younger age groups away from the "Chinatown" area.

CHINESE STATISTICAL SUMMARY - 1954
(BY RESIDENCE UNLESS OTHERWISE STATED)

	CHINESE			ENTIRE CITY		
	M	F	T	M	F	T
POPULATION*			25,150			785,900
BIRTHS	475	442	917	7742	7429	15,171
RATE PER 1,000 POPULATION			36.5			19.3
STILLBIRTHS (Fetal Deaths)	5	7	13**			281
RATE PER 1,000 ALL BIRTHS			8.6			18.5
DEATHS	187	59	264	5362	3798	9160
RATE PER 1,000 POPULATION			10.5			11.6
DEATHS UNDER 1 YEAR	11	12	23	221	155	376
RATE PER 1,000 LIVE BIRTHS	23.2	27.1	25.1	28.5	20.9	24.8
DEATHS UNDER 28 DAYS	4	7	11	176	118	294
RATE PER 1,000 LIVE BIRTHS	8.4	15.8	12.0	22.7	15.9	19.4

DEATHS FROM PRINCIPAL CAUSES

	CHINESE			ENTIRE CITY		
	Rank	Deaths	Rate***	Rank	Deaths	Rate***
HEART DISEASE	1	72	286.3	1	3653	464.8
MALIGNANT NEOPLASMS	2	35	139.2	2	1546	196.7
VASC. LESIONS OF CNS.	3	22	87.5	3	865	110.1
SUICIDES	4	17	67.6	9	200	25.4
TUBERCULOSIS	5	12	47.7	10	131	16.6
CONGENITAL DEFECTS	6	9	35.8	-	77	9.8
ACCIDENTS	6	9	35.8	4	480	61.1
CIRRHOSIS OF LIVER	8	8	31.8	5	334	42.5
DISEASES OF EARLY INFANCY	9	7	27.8	6	252	32.1
DIABETES	9	7	27.8	-	110	14.0
OTHER CAUSES						
PNEUMONIA & INFLUENZA		6	23.8	7	237	29.9
NEPHRITIS & NEPHROSIS		6	23.8	-	58	7.4
OBSTRUCTION OF INTESTINE		5	19.9	-	60	7.6
CHOLELITHIASIS		3	11.9	-	16	2.0
HYPERTENSION		2	7.9	-	61	7.8
ULCERS OF STOMACH & DUODENUM		2	7.9	-	97	12.3
HYPERTROPHY OF PROSTATE		2	7.9	-	26	3.3
KIDNEY INFECTIONS		2	7.9	-	36	4.6
HOMICIDES		1	4.0	-	38	4.8
OTHER		46			883	

* Estimated as of 7-1-54.
** Includes 1 unknown sex.
*** Rate per 100,000 Population.

B I R T H S

The highest birth rate by racial group in 1954 was that of the negro -- 45.0, the "other colored group" with a rate of 42.9, Japanese 37.6, the Chinese 36.5, and trailing with a low birth rate of 16.7 per 1,000 population were the white. The birth rate for San Francisco residents was 19.3 per 1,000 population. The birth rates for white and city-wide are the only birth rates which did not increase in 1954. The birth rate for all other racial groups increases over that of 1953. The ratio of males to females born in 1954 was 104:100, a decrease of two males per one-hundred female live births from 1953, when the ratio of males to females was 106:100.

Although the standard birth certificate for California does not require a statement of legitimacy, certain facts enable us to make a rough estimate of illegitimate children born during the year. Of the 15,171 resident births of San Franciscans during 1954 approximately 956 or less than 1% were considered illegitimate. If actual figures were available we would probably find a high percentage of illegitimacy.

There were 19,723 recorded births in San Francisco during 1954 of which 5,213 or 26.4% were non-residents. This represents an approximate increase of 2.3% non-resident births occurring in San Francisco.

There were 10,899 deliveries by operation of the 15,171 resident births. In other words, 71.8% of children born, the birth was accompanied by some type of operation. Thirty-two and seven-tenths percent of the births were by forcep delivery, 34.4% necessitated an episiotomy or some other type of surgery for delivery of the child, or as a result of the delivery.

Serology was performed on 99.1% of the mothers during pregnancy, of which only 0.14% were positive. The number of serologically positive tests for syphilis remained approximately the same for 1954 as in 1953.

The percentage of congenital defects of male children born alive was 1.3; in female children born alive 1.0% had congenital defects. Of the 15,171 resident live births there were a total of 168 or 1.1% born with congenital defects. In 1953 there were a total of 166 or 1.1% of the 15,710 live births noted with congenital defects.

BIRTH BY COLOR AND SEX, AND BIRTH RATES*

BY COLOR IN SAN FRANCISCO
1954 - 1953
(By Residence)

	1954				1953	
	Male	Female	Total	Rate	Total	Rate
WHITE	6031	5695	11,726	16.7	12,082	17.2
NEGRO	932	1005)	1985	45.0	1911	43.5
NEGRO AND WHITE	26	22)				
CHINESE	457	425)	917	36.5	902	36.0
CHINESE AND WHITE	18	17)				
JAPANESE	83	70)	213	37.6	200	35.4
JAPANESE AND WHITE	30	30)				
OTHER	93	99)	330	42.9	269	35.0
OTHER AND WHITE	73	66)				
UNKNOWN						
TOTAL	7742	7429	15,171	19.3	15,364	19.6

Ratio Males to Females: 104:100

* Rate per 1,000 Population.

RECORDED AND RESIDENT BIRTHS
BY PLACE OF BIRTH
SAN FRANCISCO - 1953, 1954

PLACE OF BIRTH	RECORDED BIRTHS		NON-RESIDENT BIRTHS		RESIDENT BIRTHS	
	1954	1953	1954	1953	1954	1953
HOME	66	70	5	2	61	68
SAN FRANCISCO HOSPITAL	1617	1533	8	8	1609	1525
EMERGENCY HOSPITALS	7	5	1	1	6	4
CHILDREN'S HOSPITAL	1767	1980	497	559	1270	1421
CHINESE HOSPITAL	531	557	14	14	517	543
DOCTOR'S (SUMNER) HOSPITAL	1	-	-	-	1	-
FRANKLIN HOSPITAL	410	557	143	212	267	345
FRENCH HOSPITAL	529	619	108	107	421	512
HAHNEMANN HOSPITAL	4	-	1	-	3	-
MARY'S HELP HOSPITAL	1721	1871	338	378	1383	1493
MT. ZION HOSPITAL	1080	1058	240	230	785	838
KAISER FOUNDATION	1600	714	662	262	938	452
ST. ELIZABETH'S	178	160	134	111	44	49
ST. FRANCIS	1378	1293	312	268	1066	1025
ST. JOSEPH'S	1476	1432	327	292	1149	1140
ST. LUKE'S	816	732	171	139	645	593
ST. MARY'S	1769	1849	420	392	1349	1457
STANFORD HOSPITAL	1714	1821	480	505	1234	1316
MILITARY HOSPITALS	1965	1621	1022	764	943	857
UNIVERSITY OF CALIFORNIA HOSPITAL	1134	1145	324	352	810	793
ELSEWHERE	11	11	6	5	5	6
OUT OF TOWN					661	927
UNKNOWN	4	-	-	-	4	-
TOTAL	19,723	19,038	5,213	4,601	15,171	15,364

ILLEGITIMATE BIRTHS BY INSTITUTION BY COLOR - SAN FRANCISCO 1954

PLACE OF BIRTH	TOTAL	WHITE	NEGRO	CHINESE	JAPANESE	OTHER	PERCENT
HOME	10	5	5	-	-	-	1.0
SAN FRANCISCO HOSPITAL	477	124	333	2	1	17	50.0
EMERGENCY HOSPITAL	1	-	1	-	-	-	0.1
CHILDREN'S HOSPITAL	25	19	4	1	1	-	2.6
FRANKLIN HOSPITAL	3	3	-	-	-	-	0.3
FRENCH HOSPITAL	12	8	4	-	-	-	1.2
MARY'S HELP HOSPITAL	33	20	2	-	-	3	3.4
MT. ZION HOSPITAL	10	5	5	-	-	-	1.0
PERMANENTE FOUNDATION	11	3	7	-	-	1	1.2
ST. ELIZABETH'S HOSPITAL	43	35	3	1	-	4	4.5
ST. FRANCIS HOSPITAL	48	43	2	2	-	1	5.0
ST. JOSEPH'S HOSPITAL	20	14	6	-	-	-	2.1
ST. LUKE'S HOSPITAL	13	13	-	-	-	-	1.4
ST. MARY'S HOSPITAL	14	14	-	-	-	-	1.5
STANFORD HOSPITAL	45	17	26	1	1	0	4.7
MILITARY HOSPITALS	19	14	4	-	-	1	2.0
U. C. HOSPITAL	152	138	12	-	1	1	15.9
OUT OF TOWN	19	14	4	-	-	1	2.0
UNKNOWN	1	1					0.1
TOTAL	956	498	418	7	4	29	100.0

Statistics on legitimacy are not accurate since a statement is not required on the certificate. Therefore, the true figure is probably higher than given.

OPERATIONS FOR DELIVERY BIRTHS, SAN FRANCISCO - 1954

Operation	No. of Operations	Percent of Total Births
INDUCED	2	0.01
FORCEPS	4966	32.7
CAESARIAN	709	4.7
OTHER	5222	34.4
TOTAL OPERATIONS	10,899	71.8
NONE	4272	28.2
TOTAL	15,171	-

SEROLOGY OF MOTHER DURING PREGNANCY OR POST-PARTUM, BY COLOR SAN FRANCISCO - 1954

	Total	Serology During Pregnancy	Serology Post-Partum	Serology During Pregnancy & Positive	Not Stated
WHITE	11,726	11,639	67	6	23
NEGRO	1985	1956	15	13	1
CHINESE	917	910	6	1	-
JAPANESE	213	213	-	-	-
OTHER	330	328	1	1	-
TOTAL	15,171	15,037	89	21	24
PERCENT OF TOTAL		99.1	0.6	0.14	0.2

COMPLICATIONS OF PREGNANCY AND LABOR OF BIRTHS SAN FRANCISCO - 1954 (Residence)

Complications of Pregnancy		No Complications of Pregnancy		Total
Number	Percent	Number	Percent	
591	3.9	14,580	96.1	15,171

Complications of Labor		No Complications of Labor		Total
Number	Percent	Number	Percent	
1493	7.9	13,978	92.1	15,171

ATTENDANT AT BIRTH BY COLOR
SAN FRANCISCO - 1954

	TOTAL	M.D.	MIDWIFE	D.O., Etc.	OTHER
WHITE	11,726	11,696	3	14	13
NEGRO	1985	1973	-	-	12
CHINESE	917	916	-	-	1
JAPANESE	213	213	-	-	0
OTHER	330	330	-	-	-
TOTAL	15,171	15,128	3	14	26
PERCENT OF TOTAL		99.7	0.01	0.09	0.17

CONGENITAL DEFECTS BY SEX
SAN FRANCISCO - 1954
(Residence)

CONGENITAL DEFECT	TOTAL	Male	Female
MONSTROSITY	8	5	3
SPINA BIFIDA (Meningocele)	8	5	3
HYDROCEPHALUS	1	1	-
OTHER C.N.S.	1	-	1
CIRCULATORY	4	3	1
CLEFT PALATE (Hair Lip)	18	9	9
DIGESTIVE SYSTEM	8	5	3
G.U. SYSTEM	13	11	2
BONE AND JOINT	64	38	26
MULTIPLE DEFECTS	8	4	4
OTHER DEFECTS	34	16	18
UNKNOWN DEFECT	1	1	0
NONE	15,003	7644	7359
TOTAL	15,171	7742	7429

RH FACTOR BY SEX
RH INCOMPATIBILITY BY SEX
SAN FRANCISCO - 1954 (RESIDENCE)

	TOTAL		MALE		FEMALE	
	Factor	Incompatibility	Factor	Incomp.	Factor	Incomp.
RH INCOMPATIBILITY	2	12	1	6	1	6
RH with ERYTHROBLASTOSIS	46	5	28	2	18	3
ERYTHROBLASTOSIS	4	6	3	2	1	4
TOTAL	52	23	32	10	20	13

BIRTHS BY COLOR BY CENSUS TRACT AND AREA

SAN FRANCISCO - 1964 (RESIDENCE)

A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL
WHITE	54	40	53	70	19	14	29	44	53	44	18	23	7	4	2	7	18	18	24	44	19	19	42		665
NEGRO		1		2	1	5		1	1	1				2	3	9	1	1							28
CHINESE	11	2	26	41	81	51	101	25	93	31	48	9	70	84	28	21	4	1		2		1	7		733
JAPANESE										3		1								1		1	1		7
OTHER	4				1	6	3	1	1	2	1	2				3					1	1	2		26
TOTAL	69	43	79	113	102	76	133	71	148	81	65	35	77	90	31	40	23	20	24	47	20	22	52		1461

B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL
WHITE	61	48	81	99	73	44	42	81	64	34															627
NEGRO						1		13	26	11															53
CHINESE					3	2		4	3	3															15
JAPANESE				1			1	8	6	5															21
OTHER					4			1	2	1															8
TOTAL	61	48	81	100	80	47	43	107	103	54															724

C																									
WHITE	169																								169
NEGRO	15																								15
CHINESE	1																								1
JAPANESE	7																								7
OTHER	3																								3
TOTAL	195																								195

D																									
WHITE	94	88																							182
NEGRO	2	1																							3
CHINESE	5	1																							6
JAPANESE	2	1																							3
OTHER	6																								6
TOTAL	109	91																							200

E																									
WHITE	51	72	99																						222
NEGRO	1	2																							3
CHINESE	1		1																						2
JAPANESE			1																						1
OTHER																									-
TOTAL	53	74	101																						228

F																									
																									0

G																									
WHITE	83	102	93	279																					557
NEGRO			1	1																					2
CHINESE	1	7	1	1																					10
JAPANESE	2	5	2	1																					10
OTHER	7	1	2	2																					12
TOTAL	93	115	99	284																					591

H																									
WHITE	82	103																							185
NEGRO	3	1																							4
CHINESE	3	2																							5
JAPANESE		2																							2
OTHER	2																								2
TOTAL	90	107																							198

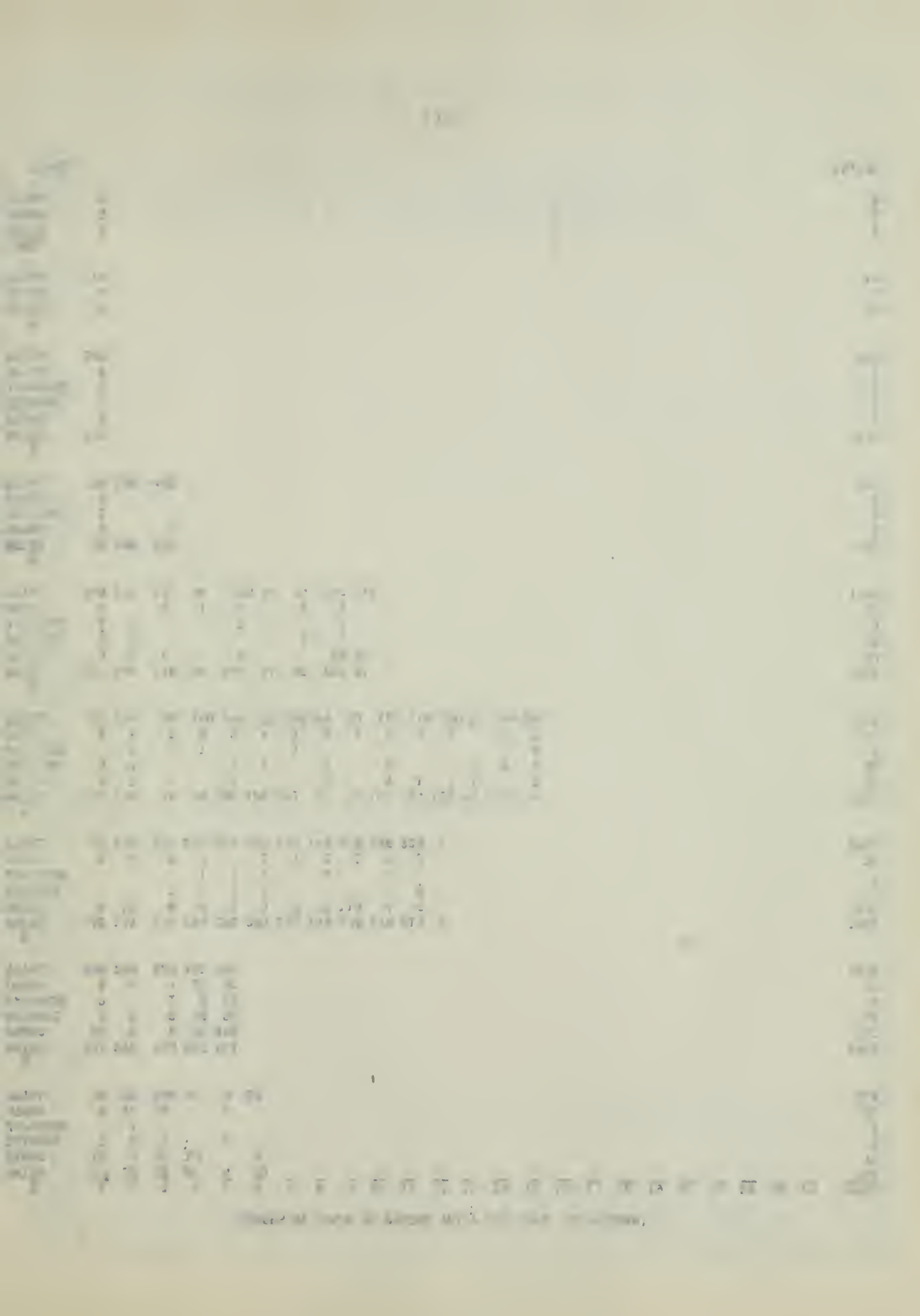
I																									
WHITE	1																								1
CHINESE	1																								1
JAPANESE	1																								1
TOTAL	3																								3

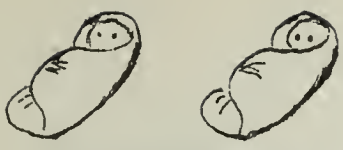
J																									
WHITE	17	18	14	55	128	22	198	23	35	43	49	67	75	124	134	102	92	73	58	208					1535
NEGRO	8	76	85	49	30	107	165	92	20	82	18	68	40	29	19	43	50	2	8						991
CHINESE		2	3	3	4	2	4	6	1	4	2	4	2	5	2	2	4								50
JAPANESE	2	27	11	1	5	16	14	14	4	7		9	2		1	1	2	1	1	2					120
OTHER	1	6			2	5	12	10	4	9	3	10	3	5	4	9	2	2	1	7					95

TOTAL	28	129	113	108	169	152	393	145	84	145	72	158	122	163	160	157	150	78	68	217					2791

BIRTHS BY COLOR BY CENSUS TRACT AND AREA (Continued)

K	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL
WHITE	35	32	53	24	4	53																			202
NEGRO	10	6	40	16		5																			77
CHINESE	2	2	3		1																				8
JAPANESE		1																							1
OTHER	3	14	12		2																				31
TOTAL	50	55	108	40	8	58																			319
L																									
WHITE	281	232	216	232	501																				1462
NEGRO	51	8	6	73	399																				537
CHINESE	9	2	2	6	20																				33
JAPANESE	2		1	2	10																				15
OTHER	8	4	4	10	30																				56
TOTAL	345	246	229	323	960																				2103
M																									
WHITE	62	151	109	224	230	245	110	144	176	179	219	2													1851
NEGRO	3	15	8	9	2	5	2	2	118	4	9														177
CHINESE			2	1	1	5					8														17
JAPANESE				1	2	1	1	1		1															7
OTHER	3	4	5	7		1	1	2	2	2	3														30
TOTAL	68	170	124	242	235	257	114	149	296	186	239	2													2082
N																									
WHITE	67	108	76	94	140	120	101	80	79	107	114	158	48	141	134										1567
NEGRO	9	2	1		1			1		3	1	1	1		2										22
CHINESE	6	2			1	1		4		1			2	2	1										20
JAPANESE		2	1	1			1								2										7
OTHER	3	5	2	5	2	4	3	3	1	1	3	1		1	2										36
TOTAL	85	119	80	100	144	125	105	88	80	112	118	160	51	144	141										1652
O																									
WHITE	141	161	178	93	248	41	65	203	91																1220
NEGRO	3	1	1		4			36	23																68
CHINESE	1	2					8	1																	12
JAPANESE	1	1			3			3																	8
OTHER	3		2	1	1		6	5																	13
TOTAL	149	165	181	94	256	41	79	247	114																1326
P																									
WHITE	46	188	452																						686
NEGRO	1		1																						2
CHINESE	1																								1
OTHER	2																								2
TOTAL	50	188	453																						691
Q																									
WHITE	571																								571
NEGRO	3																								3
CHINESE	3																								3
JAPANESE	3																								3
OTHER	2																								2
TOTAL	582																								582
R																									
WHITE	16																								16
OTHER	-																								-
TOTAL	16																								16
UNK.																									
WHITE	8																								8
OTHER	1																								1
TOTAL	9																								9
TOTAL																									15,171

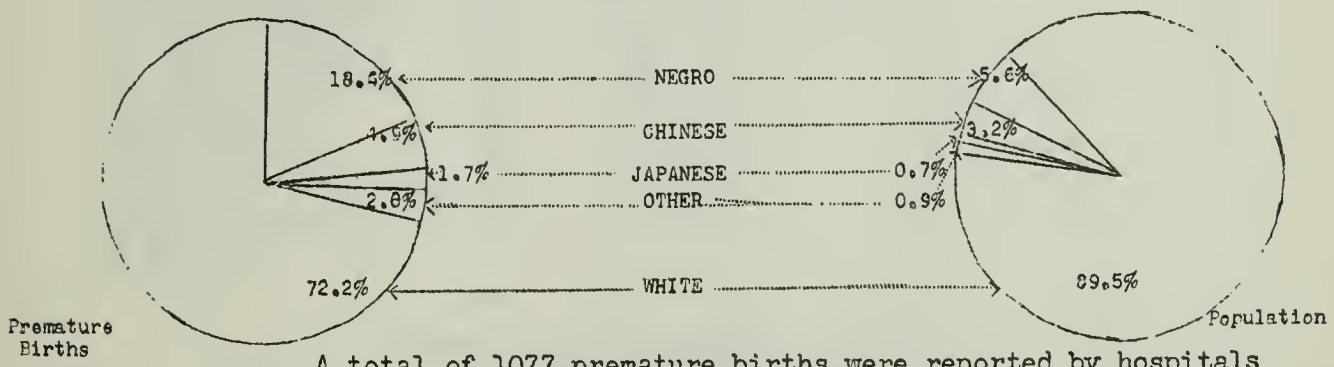




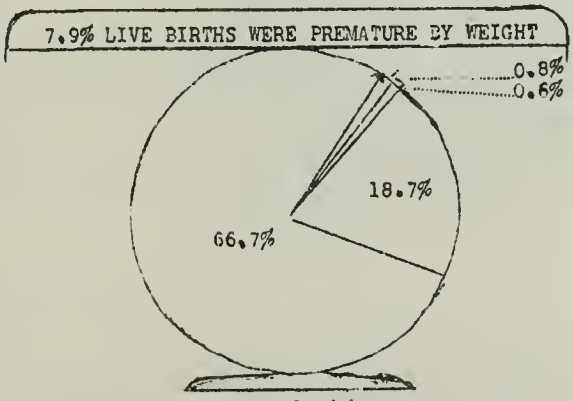
PREMATURE BIRTHS

Premature births comprised only 7.9% of all San Francisco resident births in 1954. In 1953 there were 7.5% premature births.

Percent of Premature Births by Race



A total of 1077 premature births were reported by hospitals for 1954, but if prematurity is defined as a live born child weighing 5 lbs. 8 oz. or less (less than 2,500 grams) then the number of premature infants is increased from 1077 to 1204 or 7.9% of births were prematures.



If we compare 1953 with 8.6% premature birth (weight criterion) with 7.9% for 1954 there has been some progress towards reducing the number of premature infants. In 1940 the percent of prematures by weight criterion was 5.5%.

When comparison by period of gestation is used we find approximately 7.5% were premature in 1953; in 1954 by the same standard there were 5.7% premature. Again there seems to be a reduction in the number of premature births.

There are indications that: "prematurity and premature mortality can be reduced by directing efforts towards keeping the baby in the uterus longer, thus lowering the number of babies born in the smaller weight groups".*

* "Spotlight Focuses on California's Premature Infants". (MAY, 1952)

PREMATURE BIRTHS BY PLACE OF BIRTH
SAN FRANCISCO - 1954

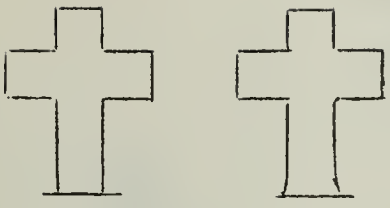
PLACE OF BIRTH	TOTAL	WHITE	NEGRO	CHINESE	JAPANESE	OTHER
HOME	17	11	4	2	-	-
SAN FRANCISCO HOSPITAL	163	54	104	3	1	1
EMERGENCY HOSPITALS	2	-	2	-	-	-
CHILDREN'S HOSPITAL	104	76	6	18	2	4
CHINESE HOSPITAL	19	-	-	18	-	1
FRANKLIN HOSPITAL	11	9	-	2	-	-
FRENCH HOSPITAL	28	20	8	-	-	-
MARY'S HELP HOSPITAL	86	74	-	1	2	9
MT. ZION HOSPITAL	50	43	6	-	1	-
PERMANENTE FOUNDATION	64	48	11	2	-	3
ST. ELIZABETH'S HOSPITAL	7	7	-	-	-	-
ST. FRANCIS HOSPITAL	55	52	-	3	-	-
ST. JOSEPH'S HOSPITAL	91	84	6	-	1	-
ST. LUKE'S HOSPITAL	33	31	2	-	-	-
ST. MARY'S HOSPITAL	81	80	-	-	1	-
STANFORD HOSPITAL	83	60	17	1	4	1
MILITARY HOSPITALS	106	75	20	2	3	6
U. C. HOSPITAL	72	58	11	-	2	1
ELSEWHERE	2	1	1	-	-	-
U. S. MARINE HOSPITAL	1	-	-	-	-	1
ON BOARD SHIP	1	-	-	-	-	1
UNKNOWN	1	1	-	-	-	-
TOTAL	1077	764	190	52	17	28

BIRTHS IN SAN FRANCISCO BY WEIGHT, BY RACE
1954 - (RESIDENCE)

WEIGHT	WHITE M	WHITE F	NEGRO M	NEGRO F	CHINESE M	CHINESE F	JAPANESE M	JAPANESE F	OTHER M	OTHER F	TOTAL M	TOTAL F
2 lbs. 3 oz. or less	37	25	13	15	1	4	1	1	1	0	53	45
2 " 4 " - 3 lbs. 4 oz.	30	26	7	8	1	1	0	1	4	0	42	36
3 " 5 " - 4 " 6 "	69	88	13	26	7	8	3	1	6	4	98	127
4 " 7 " - 5 " 8 "	250	325	72	89	15	21	6	2	9	14	352	451
Total Under 5 lbs. 8 oz.	386	464	105	138	24	34	10	5	20	18	545	659
5 lbs. 9 oz. - 6 lbs. 9 oz.	904	1325	218	296	95	132	29	35	39	59	1285	1847
6 lbs. 10 " - 7 " 11 "	2372	2297	370	383	219	189	52	44	65	85	3078	2978
7 " 12 " - 8 " 13 "	1777	1298	311	178	105	71	19	15	32	19	2144	1561
8 " 14 " - 9 " 14 "	495	268	41	26	27	15	3	0	9	3	575	312
9 " 15 " - and Over	85	32	10	5	3	0	0	1	0	1	98	39
TOTAL OVER 5 LBS. 8 OZ.	5633	5220	650	888	449	407	103	95	145	147	7180	6757
NOT STATED	12	11	3	1	2	1	0	0	0	0	17	13
TOTAL	6031	5695	958	1027	475	442	113	100	165	165	7742	7429
	11,726		1985		917		213		330		15,171	

BIRTH BY PERIOD OF GESTATION AND COLOR
SAN FRANCISCO - 1954 (RESIDENCE)

WEEKS OF GESTATION	WHITE M	WHITE F	NEGRO M	NEGRO F	CHINESE M	CHINESE F	JAPANESE M	JAPANESE F	OTHER M	OTHER F	TOTAL M	TOTAL F
4 MONTHS												
Under 20 Weeks (Non-Viable)	-	1	-	1	1	-	-	-	-	-	1	2
5 and 6 MONTHS												
20 - 27 Weeks	37	35	15	17	4	3	1	2	1	0	58	57
7 MONTHS												
28 - 31 Weeks	42	22	9	10	1	9	1	0	3	1	56	42
8 MONTHS												
32 - 35 Weeks	115	92	24	38	10	4	6	0	6	3	161	137
8 MONTHS												
36 WEEKS	119	124	31	37	7	10	4	2	4	7	165	180
	313	274	79	103	23	26	12	4	14	11	441	418
9 MONTHS												
37 - 39 WEEKS	603	575	101	121	234	215	9	8	21	22	968	941
9 MONTHS												
40 Weeks	4794	4522	755	772	197	186	89	79	127	124	5962	5683
9 MONTHS												
41 - 42 Weeks	270	279	17	27	20	12	3	8	2	7	312	333
10 MONTHS												
Over 42 Weeks	48	44	6	4	1	3	0	1	1	1	56	53
TOTAL 9 MONTHS & OVER	5715	5420	879	924	452	416	101	96	151	154	7298	7010
UNKNOWN OR NOT STATED	3	1	-	-	-	-	-	-	-	-	3	1
TOTAL BY SEX	6031	5695	958	1027	475	442	113	100	165	165	7742	7429
TOTAL	11,726		1985		917		213		330		15,171	



INFANT DEATHS

In 1954 there were 376 resident deaths of children under one year. This represents 2.5% of all resident birth, a rate of 24.8 per 1,000 live births. In 1953 there were 349 resident infant deaths or 2.3% of the children born during 1953 died the first year, a rate of 22.7 per 1,000 live births. The ratio of male over female infant deaths during 1954 was 1.4 to 1.

The highest infant mortality rate was in negroes - 39.3; Chinese, 25.1; City-Wide, 24.5. There has been an increase in the infant mortality rate from 1952 when the rate was 22.7 per 1,000 live births.

Neonatal deaths accounted for 78.2% of all infant deaths. This is a rate of 19.4 per 1,000 live births, an increase of almost one neonatal death per 1,000 live births over 1953 when the neonatal mortality rate was 18.5.

The highest infant mortality rates are to be found in Census Tracts "J", "K", and "M". These census tracts are those of relatively low income.

There were 125 or 33.2% deaths of infants due to birth injuries, asphyxia or infections of the newborn; 104 or 27.6% due to diseases peculiar to early infancy and 42 or 11.1% due to accidents.

A challenge is presented in the data found in the number of deaths due to the three causes of infant deaths:- (1) Birth injuries, etc., (2) Diseases of Early Infancy; (3) Accidents. What can be done to reduce infant deaths due to these three principle reasons?

BIRTHS AND INFANT DEATHS BY COLOR

SAN FRANCISCO - 1954

	BIRTHS	INFANT DEATHS			% OF INFANT DEATHS		
		M	F	T	M	F	T
WHITE	11,726	161	102	263	42.8	27.1	69.9
NEGRO	1985	43	35	78	11.4	9.3	20.7
CHINESE	917	11	12	23	2.9	3.2	6.1
JAPANESE	213	1	4	5	0.3	1.2	1.3
OTHERS	330	5	2	7	1.3	0.5	1.9
TOTAL	15,171	221	155	376	58.8	41.2	100.

AGE AT DEATH	TOTAL		MALE		FEMALE	
	No.	%	No.	%	No.	%
24 HOURS OR LESS	176	48.6	100	26.6	76	20.2
1 - 6 DAYS	85	22.6	57	15.2	28	7.4
7 - 30 DAYS	33	8.8	19	5.1	14	3.7
TOTAL NEONATAL DEATHS	294	78.2	176	46.8	118	31.4
1 - 11 MOS.	82	21.8	45	12.0	37	9.8
TOTAL INFANT DEATHS	376	100.0	221	58.8	155	41.2

PERCENTAGE AND DEATH RATE* DEATHS UNDER ONE YEAR BY CENSUS TRACT SAN FRANCISCO - 1954 (Residence)

CENSUS TRACT	No. of Infant Deaths	Percent of Total Infant Deaths	Infant Death Rate* for Census Tract	CENSUS TRACT	No. of Infant Deaths	Percent of Total Infant Deaths	Infant Death Rate* for Census Tract
A	35	9.3	24.0	K	10	2.6	31.3
B	12	3.2	16.6	L	51	13.6	24.2
C	4	1.1	20.5	M	69	18.4	33.1
D	2	0.5	10.0	N	37	9.8	22.4
E	6	1.6	26.3	O	29	7.7	21.9
F	-	-	-	P	13	3.3	18.8
G	10	2.6	16.9	Q	13	3.3	22.3
H	-	-	-	R	-	-	-
I	-	-	-	UNK.	3	0.7	-
J	84	22.3	30.1	TOTAL	376	100.	24.8

* Infant Death Rate per 1,000 Live Births.

NEONATAL AND INFANT DEATHS BY CAUSE,
BY AGE, AND BY SEX
SAN FRANCISCO, 1954

CAUSE		UNDER 24 Hrs.		1- 6 DAYS		7-30 DAYS		TOTAL NEONATAL DEATHS			1-11 MONTHS		INFANT DEATHS		
		M	F	M	F	M	F	M	F	T	M	F	M	F	T
SEPTICEMIA & PYEMIA	(053)						1		1	1			-	1	1
WHOOPING COUGH	(056)										1	-	1	-	1
VIRUS INFECTIONS	(096)										-	1	-	1	1
LEUKEMIA & ALEUKEMIA	(204)										1	1	1	1	2
MENINGITIS	(340)										2	3	2	3	5
MYOCARDITIS	(431)					1	-	1	-	1			1	-	1
PNEUMONIAS	(490-493)										8	3	8	3	11
BRONCHITIS	(500-502)										4	1	4	1	5
DISEASES OF ESOPHAGUS	(539)					-	1	-	1	1			--	1	1
ABDOMINAL HERNIA	(560-561)	2	2	1	-	1	-	4	2	6	1	-	5	2	7
DISEASES OF THE INTESTINE AND PERITONEUM	(570-578)										1	3	1	3	4
ATROPHY OF LIVER	(580)						1	-	1	1	-	1	-	2	2
DISEASES OF URINARY SYSTEM	(600-609)					1	-	1	-	1			1	-	1
COMPL OF DELIVERY	(674-678)	-	2					-	2	2			-	2	2
DISEASES OF SKIN AND CELLULAR TISSUE	(690-698)										1	-	1	-	1
DISEASES OF MUSCLE	(744)										1	1	1	1	2
CONGENITAL MALFORMATIONS	(750 - 759)	8	5	4	3	4	3	16	11	27	8	10	24	21	45
MONSTROSITY	(750)	-	1					-	1	1	-	-	-	1	1
HYDROCEPHALUS	(752)	1	-					1	-	1	3	-	4	-	4
CIRCULATORY SYSTEM	(754)	2	1	3	2	2	1	7	4	11	5	8	12	12	24
DIGESTIVE SYSTEM	(756)	-	2	-	-	2	1	2	3	5	-	1	2	4	6
GENITO-URINARY	(757)	2	-	1	-			3	-	3	-	-	3	-	3
OTHER MALFORMATIONS	(759)	3	1	-	1	-	1	3	3	6	-	1	3	4	7
BIRTH INJURIES, ASPHYXIA, INFECTIONS OF NEWBORN	(760 - 769)	55	38	31	15	6	2	92	55	147	1	-	93	55	148
INTRACRANIAL & SPINAL INJURY OF NEWBORN WITHOUT IMMATURITY	(760.0)	1	2	2	4	-	1	3	7	10			3	7	10
INTRACRANIAL & SPINAL INJURY OF NEWBORN WITH IMMATURITY	(760.5)	3	1	1	-	1	-	5	1	6			5	1	6
OTH. BIRTH INJURY WITHOUT IMMATURITY	(761.0)	4	3	1	-			5	3	8			5	3	8
OTHER BIRTH INJURY WITH IMMATURITY	(761.5)	9	5	3	1	-	-	12	6	18			12	6	18
ASPHYXIA & ATELECTASIS WITHOUT IMMATURITY	(762.0)	9	5	4	4	1	-	14	9	23			14	9	23
ASPHYXIA & ATELECTASIS WITH IMMATURITY	(762.5)	22	21	15	4	3	-	40	25	65			40	25	65
PNEUMONIA OF NEWBORN	(763)	4	1	4	2			8	3	11			8	3	11
DIARRHEA OF NEWBORN	(764)										1	-	1	-	1
OTHER SEPSIS OF NEWBORN	(768)					-	1	-	1	1			-	1	1
NEONATAL DISORDERS ARISING FROM MATERNAL TOXEMIA	(769)	3	-	1	-	1	-	5	-	5			5	-	5

NEONATAL AND INFANT DEATHS BY CAUSE, BY AGE, & BY SEX
(Continued)

CAUSE		UNDER 24 HRS.		1 - 6 DAYS		7-30 DAYS		TOTAL NEONATAL DEATHS			1-11 MONTHS		INFANT DEATHS		
		M	F	M	F	M	F	M	F	T	M	F	M	F	T
DISEASES PECULIAR TO EARLY INFANCY	(770-776)	38	30	20	11	1	1	59	42	101	-	3	59	45	104
HEMOLYTIC DISEASE OF NEWBORN	(770)	2	1	2	-	1	1	5	2	7			5	2	7
HEMORRHAGIC DISEASE OF NEWBORN	(771)	1	-					1	-	1			1	-	1
OTHER DISEASES OF EARLY INFANCY	(773)	-	2	3	2	-	-	3	4	7	-	2	3	6	9
IMMATURITY & OTHER CONDITIONS	(774)	-	2	1	-			1	2	3			1	2	3
PREMATURITY	(776)	35	25	14	9			49	34	83	-	1	49	35	84
ACCIDENTS	(810-936)					2	1	2	1	3	16	10	18	11	29
MOTOR VEHICLE ACCIDENT	(823.4)										-	1	-	1	1
HOME ACCIDENTS	(870-936)					2	1	2	1	3	16	9	18	10	28
UNSPECIFIED FALLS	(904)										-	1	-	1	1
ACCIDENT BY STEAM, CORROSION, LIQUID OR HOT SUBSTANCE	(917)										1	-	1	-	1
INHALATION & INGESTION OF FOOD CAUSING OBSTRUCTION OR SUFFOCATION	(921)					2	-	2	-	2	6	6	8	6	14
MECHANICAN SUFFOCATION	(924)					-	1	-	1	1	7	2	7	3	10
UNSPECIFIED ACCIDENTS	(936)										2		2	-	2
HOMICIDES	(980-985)	1	-	2	-			3	-	3			3	-	3
POISONING	(960)			1	-			1	-	1			1	-	1
OTHER MEANS		1	-	1	-			2	-	2			2	-	2
TOTAL ALL CAUSES		104	77	58	29	16	10	178	116	294	45	37	223	153	376
		181		87		26					82				

FETAL DEATHS (Stillbirths).

Fetal deaths increased from 14.4 in 1953 to 18.5 per 1,000 live births in 1954. The negroes have a fetal death rate of 21.7 for 1954; in 1953 the fetal death rate for negroes was 15.2 This rate is the highest for any racial group during 1954. Males account for 55.5% of all fetal deaths; females, 44.1%.

Of the 281 fetal deaths 35 occurred at San Francisco Hospital, of which 21 were negro, 12 whites, and 2 other. This compared with the previous year when there were 221 fetal deaths, 21 of which occurred at San Francisco Hospital, of which 10 were negro, 7 whites, 2 other, and 1 each Chinese and Japanese.

If the fetal deaths are examined by period of gestation there were 176 or 62.2% occurring under 36 weeks. In 1953 there were 117 or 52.9% occurring under 36 weeks. By using the weight criterion for prematurity, we find 172 or 61.2% fetal deaths were premature. In 1953 there were 124 or 56.1% fetal deaths considered as premature infants. When using either criterion of prematurity, weight or gestation, there has been a substantial increase of fetal deaths in San Francisco over the past year.

The majority of the stillborn infants appear to be of parents in those lower income brackets and are located primarily in Census Areas A, J, L, M, N. These are the same census areas displaying large numbers of infant deaths. Increase in the number of stillborn occurred primarily in Census Area "N".

STILLBIRTHS (FETAL DEATHS) BY SEX, BY COLOR
SAN FRANCISCO - 1954
(RESIDENCE)

COLOR	TOTAL	MALE	FEMALE	UNKNOWN	1954 STILLBIRTH (Fetal Death) RATE*	1953 STILLBIRTH (Fetal Death) RATE*
WHITE	216	114	102		18.4	14.5
NEGRO	43	30	13		21.7	15.2
CHINESE	13	5	7	1	14.2	7.8
JAPANESE	1	1	-		4.7	15.0
OTHER	8	6	2		24.2	26.0
TOTAL	281	156	124	1	18.5	14.4

* Rate per 1,000 Live Births.

SINGLE AND MULTIPLE STILLBIRTHS (FETAL DEATHS)
BY COLOR

COLOR	SINGLE			MULTIPLE		TOTAL			% OF TOTAL STILLBIRTHS
	MALE	FEMALE	UNKNOWN	MALE	FEMALE	MALE	FEMALE	UNK.	
WHITE	105	97	-	9	5	114	102	-	76.9
NEGRO	30	13	-	-	-	30	13	-	15.3
CHINESE	4	5	1	1	2	5	7	1	4.6
JAPANESE	1	-	-	-	-	1	-	-	0.3
OTHER	6	2	-	-	-	6	2	-	2.8
TOTAL BY SEX	146	117	1	10	7	156	124	1	
TOTAL	264			17		281			
PERCENT OF TOTAL STILLBIRTHS	52.0	41.6	0.3	3.6	2.5	55.5	44.1	0.3	

STILLBIRTHS (FETAL DEATHS)
BY PLACE OF BIRTH, BY COLOR
(Residence)

PLACE	TOTAL	WHITE	NEGRO	CHINESE	JAPANESE	OTHER
HOME	6	5			1	
SAN FRANCISCO HOSPITAL	35	12	21			2
EMERGENCY HOSPITAL	1	1				
CHILDREN'S HOSPITAL	16	11	2	3		
CHINESE HOSPITAL	6	1		5		
FRANKLIN HOSPITAL	4	4				
FRENCH HOSPITAL	16	13	3			
MARY'S HELP HOSPITAL	19	18				1
MT. ZION HOSPITAL	16	13	3			
PERMANENTE FOUNDATION	21	17	2	1		1
ST. FRANCIS HOSPITAL	26	23		3		
ST. JOSEPH'S HOSPITAL	14	13	1			
ST. LUKE'S HOSPITAL	10	10				
ST. MARY'S HOSPITAL	20	20				
STANFORD HOSPITAL	21	15	6			
MILITARY HOSPITALS	20	16	2			2
U. C. HOSPITAL	16	14	1			1
ELSEWHERE	2	2				
OUT OF TOWN	12	8	2	1		1
TOTAL	281	216	43	13	1	8

STILLBIRTHS (FETAL DEATHS) BY PERIOD OF GESTATION - 1954 (Residence)

GESTATION PERIOD	WHITE M	WHITE F	NEGRO M	NEGRO F	CHINESE M	CHINESE F	CHINESE UNK.	JAPANESE M	JAPANESE F	OTHER M	OTHER F	TOTAL M	TOTAL F	TOTAL UNKNOWN
4 Months (Non-Viable) 20 Weeks or Less	2	1										2	1	
5 - 6 Months 20 - 27 Weeks	28	30	4	3	-	1				-	1	30	35	
7 Months 28 - 31 Weeks	12	12	3	-	2	1				1	1	18	14	
8 Months 32 - 35 Weeks	16	19	4	1	-		1	1	-			21	20	1
8 Months 36 Weeks	16	11	3	3	-	1						19	15	
8 Months TOTAL UNDER 36 WEEKS	72	73	14	7	2	3	1	1	-	1	2	90	85	1
9 Months 37 - 39 Weeks	14	5	5	2	2	-				1	-	22	7	
9 Months 40 Weeks	24	20	11	4	1	3				4	-	40	27	
9 Months 41 - 42 Weeks	2	4	-	-	-	-						2	4	
10 Months & Over Over 42 Weeks	2	-	-	-	-	1						2	1	
9 Months & Over TOTAL 37 WEEK AND OVER	42	29	16	6	3	4	-	-	-	5	-	66	39	-
NOT STATED & UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL BY SEX	114	102	30	13	5	7	1	1	-	6	2	156	124	1
TOTAL	216		43		13			1		8		281		

STILLBIRTHS (FETAL DEATHS) BY WEIGHT AND RACE - 1954 (Residence)

WEIGHT	WHITE M	WHITE F	NEGRO M	NEGRO F	CHINESE M	CHINESE F	CHINESE UNK.	JAPANESE M	JAPANESE F	OTHER M	OTHER F	TOTAL M	TOTAL F	TOTAL UNKNOWN
2 lbs., 3 oz. or less	24	22	3	3	-	2	-			-	1	27	28	-
2 lbs., 4 oz. - 3 lbs. 4 oz.	11	21	3	2	1	-	1			1	1	16	24	1
3 lbs., 5 oz. - 4 lbs. 6 oz.	14	11	5	1	-	1	-					19	13	-
4 lbs., 7 oz. - 5 lbs. 8 oz.	19	17	5	2	1	-	-					25	19	-
5 lbs., 8 oz. or less	68	71	16	8	2	3	1			1	2	87	84	1
5 lbs., 9 oz. - 6 lbs. 9 oz.	17	7	3	1	-	1	-			1	-	21	9	-
6 lbs., 10 oz. - 7 lbs. 11 oz.	14	10	5	2	1	1	-	1	-	1	-	22	13	-
7 lbs., 12 oz. - 8 lbs. 13 oz.	5	4	3	1	1	1	-					9	6	-
6 lbs., 14 oz. - 9 lbs. 14 oz.	1	-	1	-	1	-	-			1	-	4	-	-
9 lbs., 15 oz. and Over	1	1	-	-	-	1	-			1	-	2	1	-
5 lbs., 9 oz. and Over	38	22	12	4	3	4	-	1	-	4	-	58	30	-
Not Stated	8	9	2	1	-	-				1	-	11	10	-
TOTAL BY SEX	114	102	30	13	5	7	1	1	-	6	2	156	124	1
TOTAL	216		43		13			1		8		281		

STILLBIRTHS (FETAL DEATHS)
COMPLICATIONS OF PREGNANCY AND LABOR
SAN FRANCISCO - 1954

STILLBIRTHS - PREGNANCY COMPLICATIONS

COMPLICATION OF PREGNANCY		NON-COMPLICATION OF PREGNANCY		TOTAL FETAL DEATHS
NO.	%	NO.	%	
90	32.0	191	68.0	281

STILLBIRTHS - LABOR COMPLICATIONS

COMPLICATION OF LABOR		NON-COMPLICATION OF LABOR		TOTAL FETAL DEATHS
NO.	%	NO.	%	
111	39.5	170	60.5	281

STILLBIRTHS (FETAL DEATHS)
BY COLOR
AND SINGLE OR MULTIPLE BIRTH

	Single	Twin	Total
WHITE	202	14	216
NEGRO	43	-	43
CHINESE	10	3	13
JAPANESE	1	-	1
OTHER	8	-	8
TOTAL	264	17	281
PERCENT OF TOTAL	94.0	6.0	-

STILLBIRTHS (FETAL DEATHS)
BY COLOR AND CENSUS AREA

CENSUS AREA	TOTAL	WHITE	NEGRO	CHINESE	JAPANESE	OTHER
A	21	9	2	9	1	1
B	15	14	1			
C	3	3				
D	-	-				
E	3	3				
F	-	-				
G	10	9				1
H	2	2				
I	-	-				
J	42	21	20	1		
K	5	2	1	1		1
L	24	14	9			1
M	28	23	5			
N	27	23		1		3
O	23	21	2			
P	7	7				
Q	9	9				
R	-	-				
OUT OF TOWN	62	57	3	1		1
TOTAL	281	216	43	13	1	8

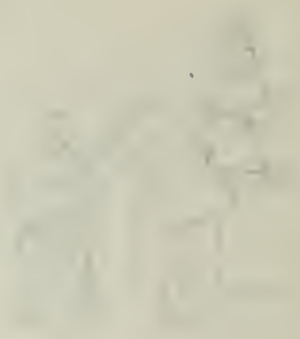
REPORTABLE DISEASES

The Communicable Diseases for 1954 were relatively uneventful. Measles showed a significant increase again this year with a 1954 case rate of 543.2 per 100,000 population compared with 443.7 per 100,000 population in 1953. There were no deaths reported in 1954 due to measles. German Measles declined from 911 cases in 1953 to 469 in 1954 and the case rate is again similar to that of 1952.

Tuberculosis and Venereal Disease continue their downward trend from 1952 and 1953.

Poliomyelitis, although higher in 1954 than 1953 by 4 cases per 100,000 population is still only slightly above the normal expectancy.

Scarlet Fever, using a "Disease Year" of August through July, has a peak period in the late fall or early winter, and again in the late spring. In 1952, 1953 and 1954, July and August are the low months for the incidence of Scarlet Fever. The majority of scarlet fever cases occur in the 4 - 6 and 10-14 age groups. In some measure these age groups may be related to exposure in school, when the child first starts and again, about the time the child graduates from elementery school.



REPORTABLE DISEASES - SAN FRANCISCO, 1953, 1954

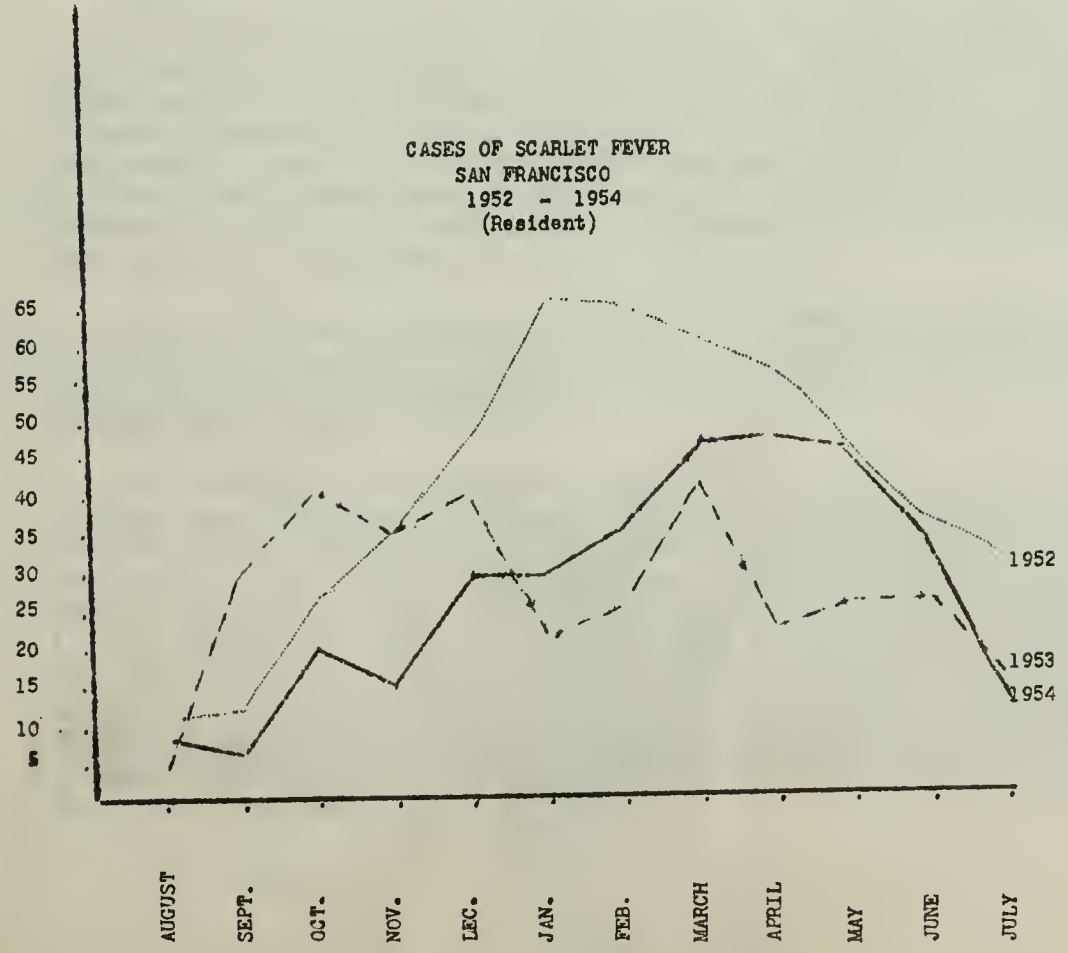
INTERNATIONAL CODE NUMBER		1954 Cases*	1954 Rate#	1954 Resident Deaths	1953 Cases*	1953 Rate#	1953 Resident Deaths
087	CHICKENPOX	2688	342.0	0	2309	294.6	0
133	COCCIDIOIDOMYCOSIS	0	0	0	0	-	1
055	DIPHTHERIA	6	0.7	0	8	1.0	1
-	DIPHTHERIA CARRIER	0	0	0	0	-	0
764	DIARRHEA, EPIDEMIC OF NEWBORN	0	0	1	1	0.1	1
041-42	SALMONELLOSIS	49	6.2	0	70	8.9	1
045	DYSENTERY, BACILLARY	68	8.6	0	151	19.3	1
046	DYSENTERY, AMOEBIC	4	0.5	0	3	0.4	0
-	ENCEPHALITIS, ALL FORMS	13	1.6	2	7	0.9	0
353	EPILEPSY	54	6.9	3	82	10.5	14
049.2	FOOD POISONING	11	1.4	0	12	1.5	0
086	GERMAN MEASLES	469	59.7	0	911	116.2	0
092	HEPATITIS INFECTIOUS	57	7.3	3	55	7.0	2
480-3	INFLUENZA	18	2.3	2	83	10.6	8
085	MEASLES	4289	543.2	0	3477	443.7	2
057	MENINGITIS, EPIDEMIC	14	1.8	4	27	3.4	5
089	MUMPS	1331	169.4	0	2925	373.2	0
490-493	PNEUMONIA	320	40.7	235	295	37.6	310
080	POLIOMYELISIS	149	19.0	5	118	15.1	11
098.2	PSITTACOSIS	7	0.9	0	0	-	0
400-2	RHEUMATIC FEVER	30	3.8	9	28	3.6	8
050	SCARLET FEVER	308	39.2	0	241	30.8	0
051	STREPTOCOCCIC SORE THROAT	61	7.8	0	26	3.3	1
095	TRACHOMA	5	0.6	0	1	0.1	0
128	TRICHINOSIS	11	1.4	0	14	1.8	0
001-008	TUBERCULOSIS, RESPIRATORY	664	84.6	97	645	82.3	138
010-019	TUBERCULOSIS, OTHER FORMS	121	15.4	17	62	7.9	6
		785					
040	TYPHOID FEVER	3	0.4	0	1	0.1	0
-	TYPHOID FEVER CARRIER	2	0.3	0	1	0.1	0
044	UNDULANT FEVER	2	0.3	0	0	-	0
056	WHOOPING COUGH	105	13.4	1	107	13.7	0
	VENEREAL DISEASES:						
030-5	GONOCOCCUS INFECTION	1532	194.9	0	1794	228.9	0
020-029	SYPHILIS	347	44.2	48	604	77.1	37
030-039	OTHER VENEREAL DISEASES	53	6.7	0	122	15.6	1
	OTHER REPORTABLE DISEASES	7	0.9	4	4	-	0
	TOTAL CASES REPORTED	12,778	(1526.1)		11,533	(1471.6)	

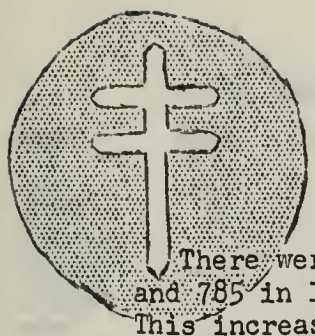
* Cases and Deaths Corrected for Residence.

\# Rates per 100,000 Population.

SCARLET FEVER BY AGE GROUP
FOR SAN FRANCISCO 1952 - 1954
(Resident)

	1954	1953	1952	AVERAGE NO. OF CASES PER AGE GROUP FOR 1952-1954
UNDER 1	1	1	6	0.76
1	5	5	14	2.29
2	21	11	42	7.09
3	33	25	50	9.59
4	29	26	56	10.65
5	46	56	85	17.97
6	60	47	78	17.75
7	39	15	36	7.62
8	15	16	31	6.41
9	12	6	14	3.06
10 - 14	33	24	50	10.24
15 - 19	8	12	7	2.58
20 - 24	0	3	5	0.76
25 - 29	1	0	8	0.87
OTHER ADULT	4	2	6	1.14
TOTAL	307	249	411	





TUBERCULOSIS

There were 858 cases of tuberculosis reported in 1952, 707 in 1953, and 785 in 1954, there being an increase of 78 cases from 1953 to 1954. This increase does not appear to be significant and a large percentage of the increase may be the result of more intensive screening by mini-film of the population as well as reaching a greater number of the entire population in San Francisco. There is still a 9.1% decrease in the number of cases in 1954 from 1952. The case rate was 100 per 100,000 population, the lowest recorded being in 1953 when it was 90.0 and the highest of 364 was recorded in 1910.

Deaths from tuberculosis numbered 65 or 8.3 per 100,000 population in 1954. Tuberculosis deaths have continued to decline from 143 with a rate of 18.2 in 1953 and 214, a rate of 27.6 in 1952. Of the known resident tuberculosis patients there were 61 who died of other causes.

The degree of infection when reported follows the same general distribution as noted 1952 and 1953. Two-thirds of all reported cases of tuberculosis of residents is reported when the disease is moderately or far advanced.

The highest percentage of resident deaths due to tuberculosis occurs in the age group 50-54 years. This is the same age group as the resident white population when the Mexican population is segregated. The negroes, Chinese, Japanese, Filipino and Mexicans have the greatest percentage of tuberculosis deaths in the age groups spanning 20-34 years of age. Why do these other ethnic groups have lower age groups from tuberculosis deaths? Is it housing conditions, is it linked to income or what are the conditions contributing to this peculiarity?

Of the 785 tuberculosis cases reported in 1954 there were 72.9% ascribed to males, 27.1% females. From the previous year there is a slight decrease in the percentage of cases in males, and the corresponding rise in female cases.

When examining the geographic location of the 785 reported tuberculosis cases, the greatest percentage were reported in Census Areas "A", "J", "K". There were 23% reported in Census Area "A", 16% in "J" and 19.5% in "K". These percentages have remained approximately the same in 1954 as in 1953. The case rates of tuberculosis in these areas is most revealing. There were 166 per 100,000 population in Census Area "A", 104 in Area "J" and 490 per 100,000 population in Area "K". These areas with high case rates are those which are crowded and living conditions are in definite need of improvement. Census Area "K" is the South of Market section and contains a large number of medically indigent residents and "floaters".

PULMONARY TUBERCULOSIS BY TYPE, RACE AND SEX 1954

COLOR	ALL TUBERCULOSIS Number	Male	Female	PULMONARY Number	Male	Female	OTHER Number	Male	Female
WHITE	544	410	134	473	365	108	71	45	26
CHINESE	99	74	25	82	62	20	17	12	5
NEGRO	88	50	38	65	40	25	23	10	13
FILIPINO	18	11	7	14	8	6	4	3	1
JAPANESE	17	13	4	12	9	3	5	4	1
MEXICAN	5	4	1	4	3	1	1	1	0
OTHER	14	12	2	11	9	2	3	3	0
TOTALS	785	574	211	661	496	165	124	78	46

AVERAGE AGE AT DEATH FROM TUBERCULOSIS SAN FRANCISCO - 1947, 1953, 1954

	PULMONARY TB. MALE	FEMALE	TOTAL	OTHER TB. MALE	FEMALE	TOTAL
1947	51.6	40.4	49.0	45.7	27.3	39.8
1953	58.1	51.6	57.5	39.0	57.2	51.2
1954	60.2	72.3	62.1	43.6	44.6	44.0

RESIDENT TUBERCULOSIS CASES - DEATHS & RATES BY COLOR - 1954

	TUBERCULOSIS CASES. Pul.	Other	Total	Case Rate*	DEATHS Pul.	Other	Total	Death Rate*
WHITE	473	71	544	77.3	86	10	96	13.6
NEGRO	65	23	88	199.6	15	2	17	38.6
CHINESE	82	17	99	393.6	12	3	15	59.6
JAPANESE	12	5	17	300.67	0	0	0	-
OTHER	32	5	37	481.9	1	2	3	3.9
TOTAL	664	121	785	99.9	114	17	131	16.7

* Rates per 100,000 Population based on the following 1954 estimated population: White, 703,323; Negro, 44,093; Chinese, 25,150; Japanese, 5,654; Other, 7,678.

NOTE: THE ABOVE CASES INCLUDE RE-REPORTED PULMONARY CASES IN ACCORDANCE WITH THE POLICY OF REPORTING ACTIVE CASES AGAIN AFTER A LAPSE OF 10 YEARS.

RESIDENT DEATHS OF TUBERCULOSIS CASES ASSIGNED TO OTHER CAUSES

Cause of Death	Number of Deaths
HEART	19
CANCER	13
ARTERIOSCLEROSIS	4
VASCULAR LESIONS OF CNS.	3
CIRRHOSIS	3
PNEUMONIA	2
SUICIDE	2
ULCER OF STOMACH AND DUODENUM	2
OTHER	11
TOTAL	61

THE 785 CASES OF TUBERCULOSIS ARRANGED BY THE DEGREE OF INFECTION AT THE TIME OF REPORTING - FOR THE YEAR 1954

COLOR	Sex	Primary	Minimal	Moderate	Advanced	Other	Total
	MALE	18	57	156	154	25	
WHITE	FEMALE	9	35	45	28	17	
	TOTAL	27	92	201	182	42	544
	MALE	4	8	14	18	6	
NEGRO	FEMALE	8	6	9	10	5	
	TOTAL	12	14	23	28	11	88
	MALE	5	16	26	20	7	
CHINESE	FEMALE	1	11	5	4	4	
	TOTAL	6	27	31	24	11	99
	MALE	1	6	3	-	3	
JAPANESE	FEMALE	-	1	1	1	1	
	TOTAL	1	7	4	1	4	17
	MALE	1	1	6	1	2	
FILIPINO	FEMALE	-	1	4	1	1	
	TOTAL	1	2	10	2	3	18
	MALE	-	1	1	1	1	
MEXICAN	FEMALE	-	-	-	1	-	
	TOTAL	-	1	1	2	1	5
	MALE	-	[illegible]	5	2	3	
OTHER	FEMALE	-	1	-	1	-	
	TOTAL	-	3	5	3	3	14
TOTALS		47	146	275	242	75	785
PERCENTAGE OF TOTAL CASES		5.99	18.60	35.03	30.83	9.55	

RESIDENT TUBERCULOSIS DEATHS - 1954

(Interval Between Reporting and Death)

INTERVAL BETWEEN REPORTING & DEATH	1954 NUMBER OF DEATHS	1954 PERCENT OF TOTALS	PREVIOUS YEARS - PERCENT OF TOTAL 1953	1952	1951	1950	1949
Less than 6 Mos.	8	4.04	9.1	9.3	13.8	16.9	14.2
6 - 11 Months	5	2.52	4.2	2.8	10.1	10.6	9.1
12 - 17 Months	1	.50	4.2	7.9	3.8	6.9	4.4
18 -- 23 Months	4	2.02	5.6	5.6	8.2	2.6	4.4
2 Years	10	5.05	8.4	9.3	4.4	3.7	1.8
3 Years	5	2.52	7.7	6.1	3.1	3.2	2.2
4 Years	5	2.52	6.3	4.2	4.4	3.2	3.6
5 - 9 Years	17	8.58	10.5	11.2	4.4	5.8	7.7
10 - 14 Years	0	-	4.2	4.2	1.9	1.1	-
15 - 19 Years	0	-	-	-	0.6	0.5	0.4
20 - 24 Years	0	-	-	-	-	-	0.4
REPORTED AT OR AFTER DEATH OR BY DEATH CERTIFICATE ONLY	144	72.72	39.9	39.3	45.3	45.5	51.8
TOTAL	198						

DEATHS* & PROPORTIONATE MORTALITY** TUBERCULOSIS, ALL FORMS
SAN FRANCISCO - 1930, 1954

1954

AGE GROUPS	MALES DEATHS ALL CAUSES	MALES T.B. DEATHS PUL.	MALES T.B. DEATHS OTHER	MALES T.B. DEATHS TOTAL	MALES PERCENT	FEMALES DEATHS ALL CAUSES	FEMALES T.B. DEATHS PUL.	FEMALES T.B. DEATHS OTHER	FEMALES T.B. DEATHS TOTAL	FEMALES PERCENT
1 - 4***	26	0	0	0	-	28	0	2	2	7.1
5 - 14	19	0	0	0	-	7	0	0	0	-
15 - 24	33	0	3	3	3.0	32	2	0	2	6.2
25 - 34	101	3	0	3	3.0	57	3	1	4	7.0
35 - 44	242	11	1	12	5.0	184	7	0	7	3.8
45 - 54	642	20	5	25	3.9	360	4	2	6	1.7
55 & Over	3926	61	2	63	1.6	2965	3	1	4	0.13
TOTAL	5362	95	11	106	2.0	3798	19	6	25	0.7

1930

1 - 4***	60	5	7	12	20.0	52	1	5	6	11.5
5 - 14	78	1	7	8	10.3	65	3	7	10	15.4
15 - 24	161	22	7	29	18.0	121	40	5	45	37.2
25 - 34	324	77	8	85	26.2	191	26	8	34	17.8
35 - 44	558	68	9	77	13.8	322	18	0	18	5.6
45 - 54	916	92	1	93	12.0	518	9	3	12	2.3
55 & Over	2816	95	7	102	3.6	1819	21	3	24	1.3
TOTAL	4913	360	46	406	8.2	3088	118	31	149	4.8

* Resident Deaths for 1954, Recorded Deaths for 1930
** Proportionate Mortality is Percentage of Tuberculosis Deaths in Any Age Group of the Total Deaths from All Causes in that Group.
*** Deaths Under 1 Year not included.

PULMONARY AND OTHER TUBERCULOSIS
BY AGE, COLOR AND SEX IN
SAN FRANCISCO - 1954

		TOTAL	UNDER 1	1 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 & Over
WHITE	PULMONARY	473			1	3	8	26	22	29	36	48	44	62	61	43	39	51
	OTHER	71		8	11	7	2	3	7	10	1	4	1	5	2	1	3	6
CHINESE	PULMONARY	82			1		7	10	11	10	7	8	6	1	5	3	3	10
	OTHER	17		5	1		1	1		4	1			2		2		
NEGRO	PULMONARY	66			1	2	1	7	13	12	7	8	6	6		1	1	1
	OTHER	22	4	5		1		2	3	1	1		2	3				
FILIPINO	PULMONARY	14			1			2	1	2			5	1		1		1
	OTHER	4		2						1					1			
JAPANESE	PULMONARY	12						1	5	3	2							1
	OTHER	5			1				3				1					
MEXICAN	PULMONARY	4						2	1	1								
	OTHER	1					1											
OTHER	PULMONARY	11							3		3	1	2		1	1		
	OTHER	3		1					1			1						
TOTAL	PULMONARY	662			4	5	16	48	56	57	55	65	63	70	67	49	43	64
TOTAL	OTHER	123	4	21	13	8	4	6	14	16	3	5	4	10	3	3	3	6
GRAND TOTAL		785	4	21	17	13	20	54	70	73	58	70	67	80	70	52	46	70

PERCENTAGE OF CASES BY AGE GROUP AND COLOR

			UND. 1	1 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 & Over
WHITE	TOTAL	NO.	-	8	12	10	10	29	29	39	37	52	45	67	63	44	42	57
	544	%	-	1.47	2.21	1.84	1.84	5.33	5.33	7.17	6.80	9.56	8.27	12.32	11.58	8.09	7.72	10.45
NEGRO		NO.	4	5	1	3	1	9	16	13	8	8	8	9	-	1	1	1
	88	%	4.54	5.68	1.14	3.41	1.14	10.23	18.18	14.77	9.09	9.09	9.09	10.23	-	1.14	1.14	1.14
CHINESE		NO.	-	5	2	-	8	11	11	14	8	8	6	3	5	5	3	10
	99	%	-	5.05	2.02	-	8.08	11.11	11.11	14.14	8.08	8.08	6.06	3.03	5.05	5.05	3.03	10.10
JAPANESE		NO.	-	-	1	-	-	1	8	3	2	-	1	-	-	-	-	1
	17	%	-	-	5.88	-	-	5.88	47.06	17.65	11.76		5.88	-	-	-	-	5.88
FILIPINO		NO.	-	2	1	-	-	2	1	3	-	-	5	1	1	1	-	1
	18	%	-	11.11	5.55	-	-	11.11	5.55	16.66	-	-	27.77	5.55	5.55	5.55	-	5.55
MEXICAN		NO.	-	-	-	-	1	2	1	1	-	-	-	-	-	-	-	-
	5	%	-	-	-	-	20.0	40.0	20.0	20.0	-	-	-	-	-	-	-	-
OTHER		NO.	-	1	-	-	-	-	4	-	3	2	2		1	1	-	-
	14	%		7.14	-	-	-	-	28.57	-	21.42	14.28	14.28	-	7.14	7.14	-	-
TOTALS		NO.	4	21	17	13	20	54	70	73	58	70	67	80	70	52	46	70
	785	%	.51	2.67	2.17	1.66	2.55	6.88	8.91	9.30	7.39	8.91	8.54	10.19	8.91	6.62	5.86	8.91

TUBERCULOSIS BY SEX (MALE)
SAN FRANCISCO - 1954

		TOTAL	UND. 1	1 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 & Over
WHITE	PUL.	382	1	0	0	2	2	18	10	17	20	34	37	54	56	38	36	38
	OTHER	46	-	6	7	5	0	1	4	7	1	2	1	4	1	1	2	4
CHINESE	PUL.	62	-	0	0	-	6	6	6	7	4	7	5	1	5	2	3	10
	OTHER	12	-	4	1	-	0	0	0	3	1	0	0	1	0	2	0	0
NEGRO	PUL.	41	-	0	1	0	1	6	5	4	4	6	6	5	-	1	1	1
	OTHER	9	-	1	0	1	0	1	3	0	1	0	0	2	-	0	0	0
FILIPINO	PUL.	8	-	0	1	-	-	-	-	1	-	-	4	1	0	1	-	-
	OTHER	3	-	1	0	-	-	-	-	1	-	-	0	0	1	0	-	-
JAPANESE	PUL.	9	-	-	-	-	-	1	5	2	-	-	0	-	-	-	-	1
	OTHER	4	-	-	-	-	-	0	8	0	-	-	1	-	-	-	-	0
MEXICAN	PUL.	3	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-
	OTHER	1	-	-	-	-	1	0	0	0	-	-	-	-	-	-	-	-
OTHER	PUL.	9	-	0	-	-	-	-	2	-	3	0	2	-	1	1	-	-
	OTHER	3	-	1	-	-	-	-	1	-	0	1	0	-	0	0	-	-
TOTAL PULMONARY		494	0	0	2	2	9	32	29	32	31	47	54	61	62	43	40	50
TOTAL OTHER		78	0	13	8	6	1	2	11	11	3	3	2	7	2	3	2	4
GRAND TOTAL		572	-	13	10	8	10	34	40	43	34	50	56	68	64	46	42	54

TUBERCULOSIS BY SEX (FEMALES)
SAN FRANCISCO - 1934

		TOTAL	UNK.	1 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 & Over
WHITE	PUL.	111	0	0	1	1	6	6	12	12	16	14	7	6	5	5	3	13
	OTHER	25	0	2	4	2	2	2	3	3	0	2	0	1	1	0	1	2
CHINESE	PUL.	20	0	0	1	0	1	4	5	3	3	1	1	0	0	1	0	0
	OTHER	5	0	1	0	0	1	1	0	1	0	0	0	1	0	0	0	0
NEGRO	PUL.	25	0	0	0	2	0	1	8	8	3	2	0	1	0	0	0	0
	OTHER	13	4	4	0	0	0	1	0	1	0	0	2	1	0	0	0	0
FILIPINO	PUL.	6	-	0	-	-	-	2	1	1	-	-	1	-	-	-	-	1
	OTHER	1	-	1	-	-	-	0	0	0	-	-	0	-	-	-	-	0
JAPANESE	PUL.	3	-	-	0	-	-	-	-	1	2	-	-	-	-	-	-	-
	OTHER	1	-	-	1	-	-	-	-	0	-	-	-	-	-	-	-	-
MEXICAN	PUL.	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	OTHER	0	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-
OTHER	PUL.	2							1			1						
TOTAL PULMONARY		168	0	0	2	3	7	16	27	25	24	18	9	9	5	6	3	14
TOTAL OTHER		45	4	8	5	2	3	4	3	5	0	2	2	3	1	0	1	2
GRAND TOTAL		213	4	8	7	5	10	20	30	30	24	19	11	12	6	6	4	16

THE 785 CASES OF TUBERCULOSIS ARRANGED BY CENSUS TRACTS WITH THE PERCENTAGES AND RATES AS REPORTED FOR THE YEAR - 1934

Census Tract	Estimated Population	Number Of TB Cases	Percent Of TB Cases	Rate per Hundred Thousand
A	109,645	182	23.18	166.0
B	58,119	35	4.46	60.2
C	4,920	4	.51	81.3
D	10,194	5	.64	49.0
E	14,196	8	1.02	56.4
F	370	-	-	-
G	28,469	14	1.78	49.2
H	11,531	2	.25	17.3
I	28	2	.25	7142.5
J	122,097	127	16.18	104.0
K	31,221	153	19.49	490.1
L	82,713	62	7.90	75.0
M	84,701	49	6.24	57.8
N	80,986	72	9.17	89.0
O	74,954	36	4.58	48.0
P	45,144	8	1.02	17.7
Q	25,700	16	2.04	62.2
R	129	-	-	-
N.R.	-	-	-	-
UNK.	-	10	1.27	-
TOTALS	785,900	785	100.00	99.9

TUBERCULOSIS BY CENSUS TRACT AND AREA
BY RACE - SAN FRANCISCO 1954

LARGE CENSUS AREA	COLOR	SMALL CENSUS AREA																						NR. N.K	TOT.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
A	WHITE		1	2		4	5	3	2	2	3	5	1	1		1	8	6	1	3	3	6	13	9		79
	CHINESE			2	1	7	7	8	1	3	1	2		10	25	8	7	4			1					87
	NEGRO						2	1									3									6
	FILIPINO						2										1	1					1			5
	JAPANESE																		1							1
	MEXICAN	1																								1
	OTHER	1													1							1				3
	TOTALS	2	1	4	1	11	16	12	3	5	4	7	1	11	26	9	19	11	2	3	4	7	14	9		182
B	WHITE	3		3	4	6	1	2	1		2															22
	CHINESE																									-
	NEGRO				1				2	3	2															8
	FILIPINO																									-
	JAPANESE			1						2	2															5
	MEXICAN																									1
	OTHER																									-
	TOTALS	3		4	5		6	1	2	3	5	6														35
C	WHITE	4																								4
	CHINESE																									-
	NEGRO																									-
	FILIPINO																									-
	JAPANESE																									-
	MEXICAN																									-
	OTHER																									-
	TOTALS	4																								4
D	WHITE	4																								4
	CHINESE																									-
	NEGRO																									-
	FILIPINO																									-
	JAPANESE	1																								1
	MEXICAN																									-
	OTHER																									-
	TOTALS	5																								5
E	WHITE	2	2	3																						7
	NEGRO																									-
	FILIPINO																									-
	JAPANESE			1																						1
	MEXICAN																									-
	OTHER																									-
	TOTALS	2	2	4																						8
F	WHITE																									-
	CHINESE																									-
	NEGRO																									-
	JAPANESE																									-
	MEXICAN																									-
	OTHER																									-
	TOTALS																									-
G	WHITE	1	5	2	4																					12
	CHINESE	1		1																						2
	NEGRO																									-
	FILIPINO																									-
	JAPANESE																									-
	MEXICAN																									-
	OTHER																									-
	TOTALS	2	5	3	4																					14
H	WHITE			1																						1
	CHINESE																									-
	NEGRO																									-
	FILIPINO																									-
	JAPANESE																									-
	MEXICAN	1																								1
	OTHER																									-
	TOTALS	1	1																							2

TUBERCULOSIS BY CENSUS TRACT & AREA BY RACE
(Continued)

LARGE CENSUS AREA	COLOR	SMALL CENSUS AREA																								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	NR.	N.K.	TOT.
	WHITE	1	1																								2
	CHINESE																										-
	NEGRO																										-
	FILIPINO																										-
I	JAPANESE																										-
	MEXICAN																										-
	OTHER																										-
	TOTALS	1	1																								2
	WHITE	6	3	1	3	2		7	1	5	8	8	2	1	2	1	5	8	5		7						75
	CHINESE		1					1			2				1												5
	NEGRO		4	2			3	10	4		6		2		1	2	1										35
	FILIPINO	1					1	1										1			1						5
J	JAPANESE		1			1	1		2																		5
	MEXICAN																										-
	OTHER									1							1										2
	TOTALS	7	9	3	3	8	5	19	7	6	16	8	4	1	4	3	7	9	5		8						127
	WHITE	33	41	42	4	1	12																				133
	CHINESE	1																									1
	NEGRO	1	1	6			2																				10
K	FILIPINO	1	1	1			1																				4
	JAPANESE																										-
	MEXICAN	1																									1
	OTHER		3	1																							4
	TOTALS	37	46	50	4	1	15																				153
	WHITE	4	11	7	10	7																					39
	CHINESE			1	1	1																					3
	NEGRO	2			3	8																					13
	FILIPINO				1	3																					4
L	JAPANESE			1		1																					2
	MEXICAN																										-
	OTHER		1																								1
	TOTALS	6	12	9	15	20																					62
	WHITE		2	1	3	10	5	5	3	2		5															36
	CHINESE																										-
	NEGRO	3	1					1		5	1																11
	FILIPINO																										-
M	JAPANESE				1							1															2
	MEXICAN																										-
	OTHER																										-
	TOTALS	3	3	1	4	10	5	6	3	7	1	6															49
	WHITE	11	8	2	5	6	3		8	3	3	2	7		4	3											65
	CHINESE								1																		1
	NEGRO												1														1
	FILIPINO																										-
N	JAPANESE																										-
	MEXICAN			1					1																		2
	OTHER	1								1		1															3
	TOTALS	12	8	3	5	6	3		10	4	3	3	8		4	3											72
	WHITE	8	2	5	2	7		2	5	1																	32
	CHINESE																										-
	NEGRO	1								2																	3
	FILIPINO																										-
O	JAPANESE																										-
	MEXICAN																										-
	OTHER				1																						1
	TOTALS	9	2	5	3	7		2	5	3																	36
	WHITE	2	1	5																							8
	CHINESE																										-
	NEGRO																										-
	FILIPINO																										-
P	JAPANESE																										-
	MEXICAN																										-
	OTHER																										-
	TOTALS	2	1	5																							8

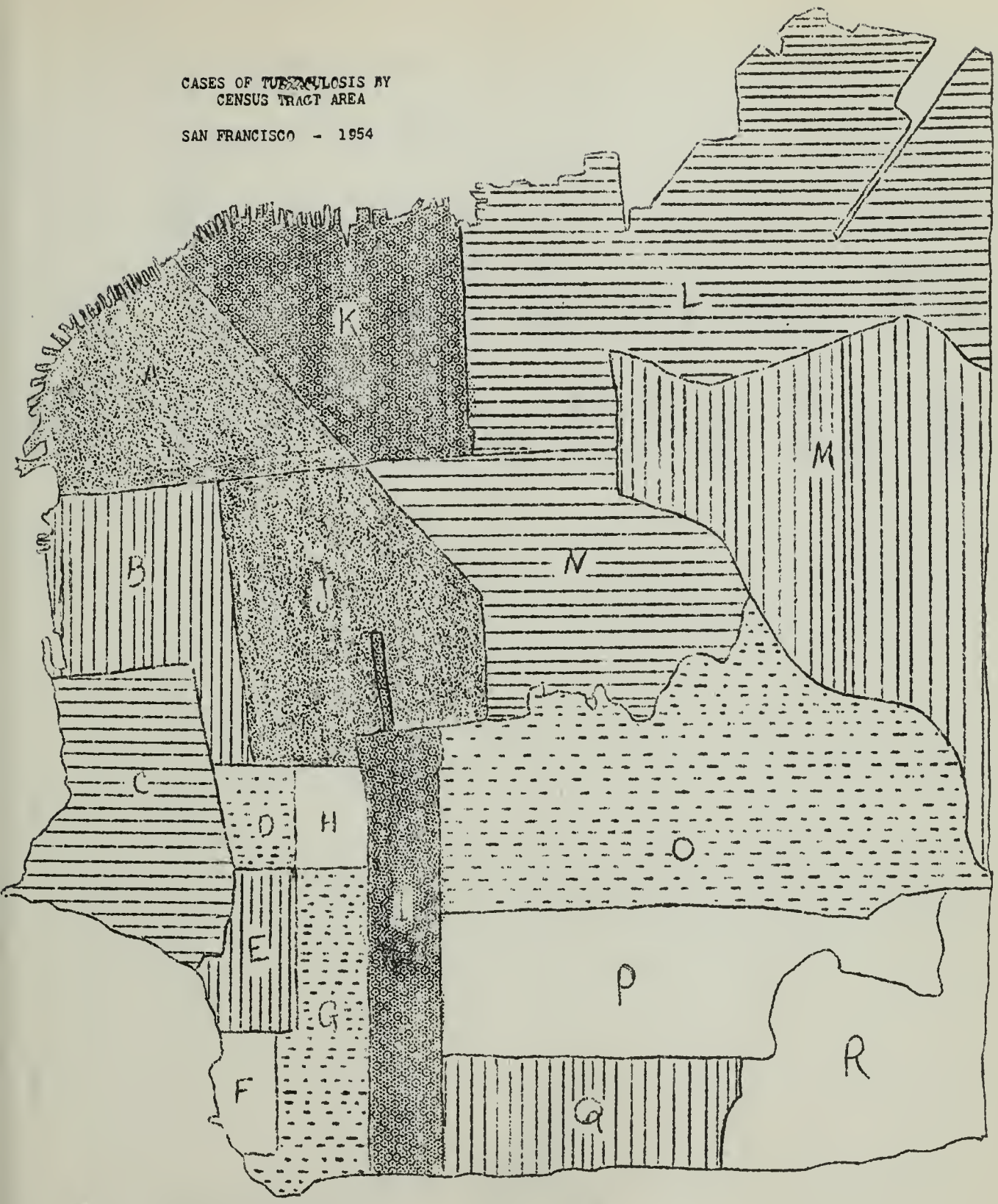
TUBERCULOSIS BY CENSUS TRACT & AREA BY RACE

(Continued)

LARGE CENSUS AREA	COLOR	SMALL CENSUS AREA 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	NR.	N.K.	TOT.
	WHITE	16																									16
	CHINESE																										-
	NEGRO																										-
	FILIPINO																										-
Q	JAPANESE																										-
	MEXICAN																										-
	OTHER																										-
	TOTALS	16																									16
	WHITE																										-
	CHINESE																										-
	NEGRO																										-
	FILIPINO																										-
R	JAPANESE																										-
	MEXICAN																										-
	OTHER																										-
	TOTALS																										-
	WHITE																										-
	CHINESE																										-
	NEGRO																										-
	FILIPINO																										-
N. R.	JAPANESE																										-
	MEXICAN																										-
	OTHER																										-
	TOTALS																										-
	WHITE																								9	9	
	CHINESE																										-
	NEGRO																								1	1	
	FILIPINO																										-
N.K.	JAPANESE																										-
	MEXICAN																										-
	TOTAL																								10	10	

CASES OF TUBERCULOSIS BY
CENSUS TRACT AREA

SAN FRANCISCO - 1954



KEY: CASES PER 100,000 POPULATION

0 - 30 Cases

30 - 50 Cases

50 - 70 Cases

70 - 100 Cases

100 - 200 Cases

Over 200 Cases

OCCUPATIONS BY SEX AND COLOR OF THE 785 TUBERCULOSIS CASES
REPORTED DURING THE YEAR 1954
(Primary Included in Pulmonary TB)

OCCUPATION	SEX	COLOR																					TOTALS		
		WHITE			NEGRO			CHINESE			JAPANESE			FILIPINO			MEXICAN			OTHER					
		PUL.	OTH.	TOTAL	PUL.	OTH.	TOTAL	PUL.	OTH.	TOTAL	PUL.	OTH.	TOTAL	PUL.	OTH.	TOTAL	PUL.	OTH.	TOTAL	PUL.	OTH.	TOTAL	PUL.	OTH.	TOTAL
OFFICE WORKER	M	11	1	12	2	-	2	8	-	8	2	-	2	-	-	-	1	-	1	1	-	1	25	1	26
	F	19	1	20	2	-	2	2	-	2	1	-	1	1	-	1	-	-	-	-	-	-	25	1	26
	Total	30	2	32	4	-	4	10	-	10	3	-	3	1	-	1	1	-	1	1	-	1	50	2	52
MANUAL, SKILLED	M	68	4	72	4	-	4	2	-	2	1	-	1	-	-	-	-	-	-	1	1	2	76	5	81
	F	-	-	-	-	-	-	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3
	Total	68	4	72	4	-	4	5	-	5	1	-	1	-	-	-	-	-	-	1	1	2	79	5	84
MANUAL, UNSKILLED	M	158	2	160	26	3	29	16	-	16	1	-	1	1	1	2	-	-	-	1	1	2	203	7	210
	F	5	-	5	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	9
	Total	163	2	165	30	3	33	16	-	16	1	-	1	1	1	2	-	-	-	1	1	2	212	7	219
RESTAURANT	M	32	1	33	1	-	1	17	2	19	-	-	-	4	1	5	-	-	-	1	-	1	55	4	59
	F	8	-	8	-	1	1	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	10	1	11
	Total	40	1	41	1	1	2	18	2	20	-	-	-	5	1	6	-	-	-	1	-	1	65	5	70
HOTEL	M	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	4
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	4
DOMESTIC	M	-	-	-	-	-	-	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	2	-	2
	F	-	-	-	5	2	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2	7
	Total	-	-	-	5	2	7	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	7	2	9
PHYSICIAN	M	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
DENTIST	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AUXILIARY MED. SERVICE	M	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
	F	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	6
	Total	8	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	8
OTHERS	M	96	7	103	7	3	10	17	2	19	2	2	4	1	-	1	2	1	3	5	-	5	130	15	145
	F	69	11	80	13	1	14	12	3	15	2	-	2	3	-	3	1	-	1	2	-	2	102	15	117
	Total	165	18	183	20	4	24	29	5	34	4	2	6	4	-	4	3	1	4	7	-	7	232	30	262
CHILD OR STUDENT	M	13	10	23	4	-	4	7	2	9	3	1	4	2	1	3	-	-	-	-	1	1	29	15	44
	F	11	4	15	9	1	10	3	1	4	-	1	1	1	1	2	-	-	-	-	-	-	24	8	32
	Total	24	14	38	13	1	14	10	3	13	3	2	5	3	2	5	-	-	-	-	1	1	53	23	76

POLIOMYELITIS

San Francisco's poliomyelitis "season" falls later in the year than in most of the surrounding area. The poliomyelitis season for San Francisco is in September and October. Since 1935 there appears to have been three peak periods of poliomyelitis; one in 1943-44, another in 1948-49, and the other in 1952-53.

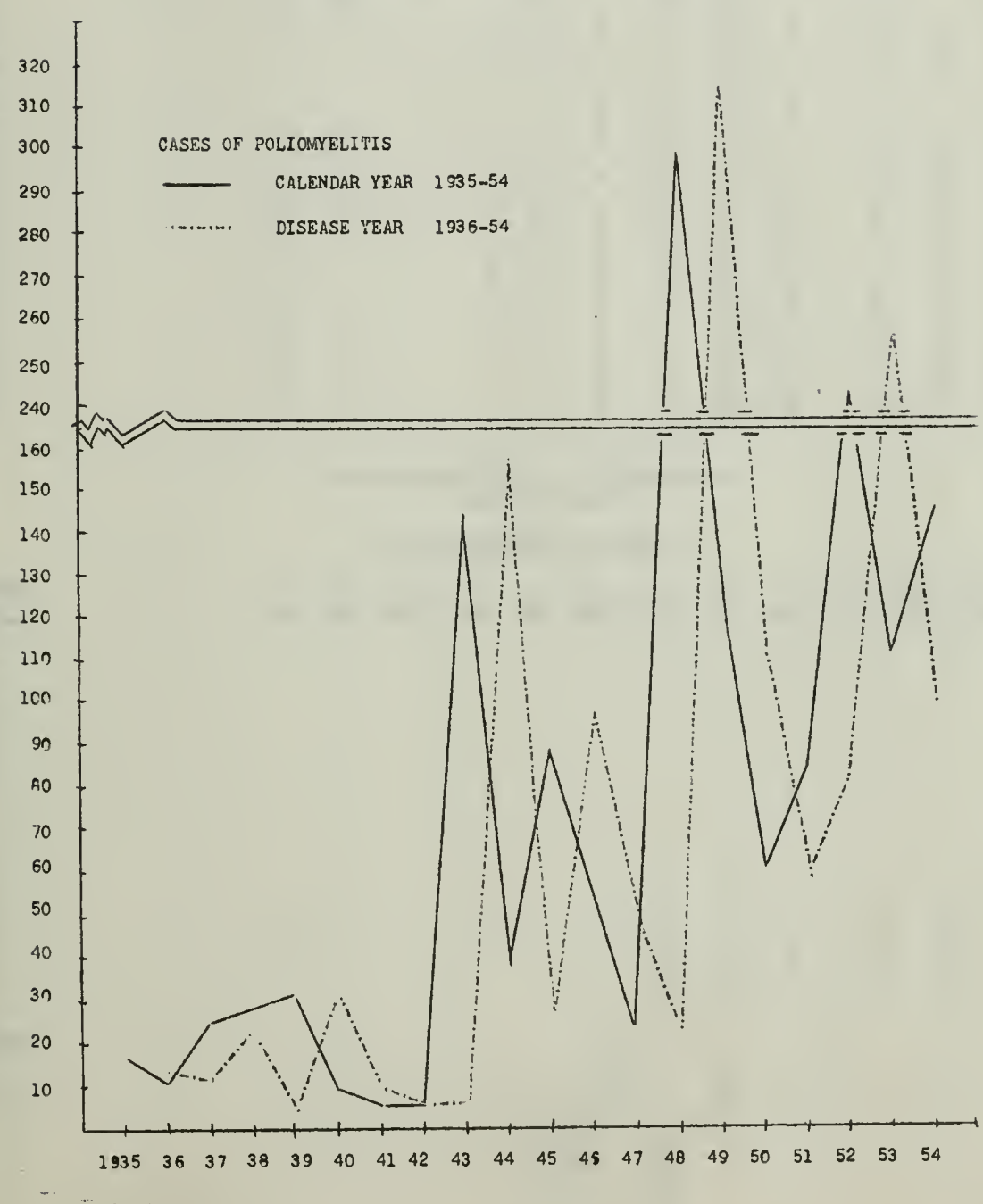
Examining the cases of poliomyelitis geographically, the majority of the 146 cases appear to have occurred in regions that are not as densely populated as other parts of the city. In other words these cases have occurred in primarily residential areas.

By age group, the greatest percentage of cases occur in the 1 - 4 and 5 - 9 years of age, over the past six years. The age group 10-14 years also runs consistently high in the percentage of cases for the six year period 1949-1954.

The case rate for poliomyelitis was 18.6 per 100,000 population in 1954. The high for poliomyelitis case rates was 36.2 in 1948 and the lowest rate recorded was in 1941, when it was 0.7 per 100,000 population over the period 1930-1954. The fatality rate for poliomyelitis was 4.1 in 1954, 9.1 in 1953, a decrease of 5 deaths per 100 cases of the disease reported.

POLIOMYELITIS CASES BY CALENDAR YEAR
AND DISEASE YEAR, SAN FRANCISCO

1935 - 1954



POLIOMYELITIS CASES IN SAN FRANCISCO
BY MONTH OF ONSET
CALENDAR YEAR 1935 - 1954

	JAN.	FEB.	MARCH	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL
1935	1	3	1		1		2	2		6		1	17
1936	1			1		1	1	1	3	1	2		11
1937			1	3	1	1	2	3	7	4	2		24
1938								2			1	1	4
1939							2	5	9	13	2	1	32
1940						2	1	3	3				9
1941						2	1		1		1	1	6
1942					1					1	3	1	6
1943		1		1	7	10	18	28	23	32	23	1	144
1944	6	3	4		2		2	4	2	7	4	2	36
1945	2			3	2	3	12	8	19	21	17	2	89
1946	3	4	3		2	4	4	10	13	3	2	5	53
1947	2	3		2	2	3	4	1	5		1		23
1948			4	1	3	5	29	24	41	83	60	49	299
1949	16	4		1	1	1	9	12	16	42	18	7	127
1950	2	2	4	4	1	1	2	11	9	10	9	5	60
1951	6	2			3	4	3	9	18	17	14	9	85
1952	2	1	4	3	7	3	8	29	33	77	49	27	243
1953	14	3	4		6	6	8	12	19	11	10	17	110
1954	5	2	4	2	4	5	17	25	35	34	10	3	146

POLIOMYELITIS CASES - SAN FRANCISCO
BY MONTH OF ONSET

1954 OCCURRENCES - LOCAL

CENSUS TRACT	JAN.	FEB.	MARCH	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL
A							1		1			1	3
B					2	2	2	1	2	3	1		13
C													
D					1		1	1		1			4
E								1	1	1			3
F													
G							2	1	1	1			5
H									1	1			2
I													
J		1				1	1	3	1	4	1		12
K								1		1			2
L							1	1	4	2		1	9
M	2	1	4	2		1	2	4	8	3	2		29
N	1					1	4	1	1	2	2		12
O	2				1		1	6	4	4	2		20
P							2	2	5	6	1	1	17
Q								3	6	5	1		15
R													
UNKNOWN													
TOTAL	5	2	4	2	4	5	17	25	35	34	10	3	146

POLIOMYELITIS CASES - SAN FRANCISCO

AGE GROUPS

	1949		1950		1951		1952		1953		1954	
	Cases	% in Group	Cases	% in Group	Cases	% in Group	Cases	% in Group	Cases	% in Group	Cases	% in Group
UNDER 1 Yr.	1	0.7	1	1.6	3	3.6	13	5.8	1	.9	3	2.05
1 - 4	43	30.9	15	23.4	17	20.2	69	29.5	23	20.9	24	16.4
5 - 9	42	30.2	17	26.6	20	23.8	55	23.5	25	22.7	39	26.7
10 - 14	14	10.1	12	18.7	10	11.9	17	7.3	11	10.0	18	12.3
15 - 19	6	4.3	3	4.7	5	5.9	13	5.6	4	3.6	11	7.5
20 - 24	11	7.9	4	6.2	11	13.1	16	6.8	15	13.6	10	6.8
25 - 29	15	10.8	6	9.4	11	13.1	24	10.3	17	15.4	21	14.4
30 - 34	5	3.6	3	4.7	4	4.8	13	5.6	5	4.5	13	8.9
35 - 39	2	1.5	3	4.7	2	2.4	11	4.7	7	6.4	4	2.7
40 - 44	0	-	0	-	1	1.2	2	0.9	2	1.8	1	.7
45 - 49	0	-	0	-	0	-	1	0.4	0	-	0	-
50 & OVER	0	-	0	-	0	-	0	-	0	-	2	1.4
TOTAL	139		64		84		234		110		146	

POLIOMYELITIS, CASES*, DEATHS AND
RATES IN SAN FRANCISCO
1930 - 1954
(Calendar Year)

YEAR	Local Cases	Case Rate**	Local Deaths	Fatality Rate ***	RESIDENT & NON-RESIDENT DEATHS Male	Female	Total
1930	230	35.9	21	9.1	14	13	27
1931	35	5.5	7	20.0	3	8	11
1932	18	2.8	3	16.7	1	5	6
1933	6	0.9	3	50.0	1	2	3
1934	122	19.0	10	8.2	8	7	15
1935	16	2.5	0	-	0	1	1
1936	12	1.9	0	-	2	1	3
1937	24	3.8	3	12.5	5	0	5
1938	3	0.5	1	33.3	0	1	1
1939	33	5.2	2	6.1	3	0	3
1940	9	1.4	0	-	2	0	2
1941	5	0.7	0	-	0	0	0
1942	6	0.8	1	16.6	1	0	1
1943	142	18.9	2	1.4	6	7	13
1944	38	4.8	1	2.6	2	2	4
1945	90	10.9	4	4.4	6	5	11
1946	52	6.4	6	11.5	4	5	9
1947	23	2.9	3	13.0	3	1	4
1948	288	36.2	24	8.3	31	18	49
1949	139	17.7	9	6.5	10	11	21
1950	64	8.3	6	9.4	7	10	17
1951	84	10.8	6	7.1	18	9	27
1952	234	30.2	15	6.4	13	9	22
1953	110	14.0	10	9.1	11	6	17
1954	146	18.6	6	4.1	12	6	18

* Cases by Date of Report
** Case Rate per 100,000 Population
*** Fatality Rate, Deaths per 100 Cases.

VENEREAL DISEASE

The case rate for syphilis was 45.4 in 1954 and 58.5 in 1953. There was a case rate of 124.2 for gonorrhea in 1954 and 143.5 per 100,000 population in 1953. This represents a decrease of approximately 7 cases per 100,000 population in syphilis reported and a decrease of 13 cases of gonorrhea per 100,000 population from 1953 to 1954. The percentage of cases as reported by stage appears to be about the same in 1954 as in 1953.

The highest case rate for an age group is found in 25-34 years of age for both syphilis and gonorrhea in 1954, and in the age group 20-24 in 1953.

The non-whites while representing 10.5% of the total resident population continues to have the highest case rate for syphilis and gonorrhea. The cases of venereal disease reported in non-whites still represent, in 1954, over one-half of the total cases of venereal disease reported. The 1954 non-white case rate for syphilis is 234 per 100,000 population and 1032 cases of gonorrhea per 100,000 population.

The clinics maintained by the city account for 74.7% of the cases reported in 1954 and 72.0% of venereal disease cases reported in 1953.

The greatest number of cases of venereal disease geographically, were found in Census Areas "A", "J", "K" during 1954. These are the same areas displaying a very high number of cases in 1953.

It is interesting to note that 25% of syphilis cases reported during 1954 have had previous treatment. The bulk of the previously treated cases are those of late latent and late syphilis. Less than one-half percent of the gonorrhea cases reported in 1954 had previous treatment. The total cases of venereal disease previously having had treatment were 100, representing 5.15% of all venereal disease cases reported in 1954.

REPORTED CIVILIAN CASES OF VENEREAL DISEASE
BY STAGE AND SEX - SAN FRANCISCO
1953, 1954

	1954			1953		
SYPHILIS:	Male	Female	Total	Male	Female	Total
PRIMARY	30	1	31	29	2	31
SECONDARY	14	4	18	12	10	22
EARLY LATENT	35	17	52	34	50	84
LATE LATENT & LATE	112	84	196	296	159	455
CONGENITAL	1	2	3	5	5	10
OTHER	36	13	49	-	-	-
NOT STATED	4	4	8	-	2	2
TOTAL	232	125	357	376	228	604
GONORRHEA:	1041	439	1480	1208	530	1738
EPIDEMIOLOGICAL GONORRHEA	7	46	53	10	30	40
CHANCROID	25	5	30	86	3	89
GRANULOMA INGUINALE	1	0	1	1	1	2
LYMPHOPATHIA VENEREUM	19	2	21	27	3	30
TOTAL VENEREAL DISEASE	1325	617	1942	1708	795	2503
POPULATION	395,250	390,650	785,900	394,000	389,640	783,700
RATE PER 100,000 POPULATION SYPHILIS	58.7	32.0	45.4	95.4	58.5	77.1
RATE PER 100,000 POPULATION GONORRHEA	265.1	124.2	195.1	309.1	143.7	226.9

REPORTED CIVILIAN CASES OF VENEREAL DISEASE
BY STAGE AND AGE GROUPS
SAN FRANCISCO - 1954

	AGE GROUPS							
	Und. 5	5-14	15-19	20-24	25-34	35-44	45 & Over	Unknown	Total
SYPHILIS:									
PRIMARY			1	5	19	6	-		31
SECONDARY			1	4	9	1	3		18
EARLY LATENT			3	12	28	4	5		52
LATE LATENT & LATE			2	13	46	49	86		196
CONGENITAL		1	1	-	1	-	-		3
OTHER		-	1	4	7	12	25	-	49
NOT STATED		-	-	-	2	3	2	1	8
TOTAL		1	9	38	112	75	121	1	357
GONORRHEA		6	138	487	617	170	60	2	1480
EPIDEMIOLOGICAL GONORRHEA			7	18	20	5	3		53
CHANCROID		1	1	2	12	8	6		30
GRANULOMA INGUINALE					1				1
LYMPHOPATHIA VENEREUM			3	1	8	5	4		21
TOTAL VENEREAL DISEASE		8	158	546	770	263	194	3	1942
*Age Specific Rates per 100,000 Population									
SYPHILIS	0	1.29	22.39	62.78	82.95	57.13	43.38	-	45.42
GONORRHEA	0	7.79	360.86	833.43	471.84	133.30	22.65	-	195.06

* Population Estimates as of 7/1/54 by Div. of Budgets and Accounts, California State, Department of Finance.

REPORTED CIVILIAN CASES OF VENEREAL DISEASE
BY STAGE AND RACE
SAN FRANCISCO - 1954

	WHITE		NEGRO		OTHER NON-WHITE		TOTAL
	No. of Cases	% of Cases	No. of Cases	% of Cases	No. of Cases	% of Total	
SYPHILIS:							
PRIMARY	23	74.2	8	25.8	0	-	31
SECONDARY	10	55.6	6	33.3	2	11.1	18
EARLY LATENT	18	34.6	30	57.7	4	7.7	52
LATE LATENT & LATE	80	40.8	91	46.4	25	12.8	196
CONGENITAL	0	-	3	100.0	0	-	3
OTHER	27	55.1	19	38.8	3	6.1	49
NOT STATED	5	62.5	3	37.5	0	-	8
TOTAL SYPHILIS	163	45.6	160	44.8	34	9.5	357
GONORRHEA	662	44.7	792	53.5	26	1.8	1480
EPIDEMIOLOGICAL GONORRHEA	18	40.0	35	60.0	0	-	53
CHANCROID	17	56.7	13	43.7	0	-	30
GRANULOMA INGUINALE	0	-	1	100.0	0	-	1
LYMPHOPATHIA VENEREUM	7	33.3	14	66.7	0	-	21
TOTAL VENEREAL DISEASE	867	44.6	1015	52.3	60	3.1	1942

RACE SPECIFIC RATES PER 100,000 POPULATION*

	WHITE		NEGRO		OTHER NON-WHITE		TOTAL	
	1954	1953	1954	1953	1954	1953	1954	1953
POPULATION	703,323	701,354	44,093	43,970	30,404	38,376	785,900	783,700
RATES:								
SYPHILIS	23.18	39.8	362.87	573.1	88.53	190.2	45.42	77.1
GONORRHEA	96.68	115.9	1875.58	2126.4	67.77	78.2	195.06	226.9

* Population Estimates Based as of 7/1/54 by Division of Budgets and Accounts, Department of Finance, California State.

REPORTED CASES OF VENEREAL DISEASE
BY STAGE AND SOURCE OF REPORT
SAN FRANCISCO - 1954

	S.F. HEALTH DEPT.		OTHER CITY AGENC.& CLINICS	STANFORD HOSP.	U.C. HOSP.	OTHER CLINICS	PRIVATE PHYSICIAN	U.S. PUB. HEALTH SERVICE	OTHER FEDERAL AGENCIES	ALL OTHER	TOTAL
	33 HUNT	101 GROVE									
SYPHILIS:											
PRIMARY	17	1		1			10	1		1	31
SECONDARY	9	1					5	1		2	18
EARLY LATENT	33	6	3		1	1	4	3	1		52
LATE LATENT & LATE CONGENITAL	53	18	7	1	26	7	22	8	1	53	196
	2	1									3
OTHER	9	2			7	2	7	2		20	49
NOT STATED			4			2	2				8
TOTAL SYPHILIS	123	29	14	2	34	12	50	15	2	76	357
GONORRHEA	1122	79	70	25	2	9	138	15		20	1480
EPIDEMIOLOGICAL GONORRHEA	52	1									53
CHANCROID	26	1					1	2			30
GRANULOMA INGUINALE	1										1
LYMPHOPATHIA VENEREUM	15	2						3		1	21
TOTAL VENEREAL DISEASE	1339	112	84	27	36	21	189	35	2	97	1942
PERCENT OF TOTAL VENEREAL DISEASE REPORTED	68.9	5.8	4.3	1.4	1.9	1.1	9.7	1.8	0.1	5.0	-

REPORTED CIVILIAN CASES OF VENEREAL DISEASE
BY DISEASE, BY SEX, BY REASON OF REPORTING

		CONTACT	PRE-NATAL	PRE-MARITAL	VOLUNTARY SYMPTOMS	VOLUNTARY NO SYMPTOMS	DIAGNOSIS	POLICE	OTHER	UNKNOWN	TOTAL
SYPHILIS:											
Primary	MALE				12					18	30
	FEMALE				1					-	1
Secondary	MALE				7					7	14
	FEMALE				1					3	4
Early Latent	MALE		-	1	6			-		28	35
	FEMALE		5	-	1			2		9	17
Late Latent and Late	MALE		-	-	35		6	1	1	69	112
	FEMALE		37	1	8		4	4	-	30	84
Congenital	MALE		-						1		1
	FEMALE		2						-		2
Other	MALE				19		1	3		17	36
	FEMALE				5		2	-		6	12
Not Stated	MALE				1	-				3	4
	FEMALE				1	1				2	4
TOTAL SYPHILIS	MALE		-	1	76	-	7	4	2	142	232
	FEMALE		44	1	17	1	6	6	-	50	125
TOTAL		-	44	2	93	1	13	10	2	192	357
GONORRHEA	MALE		-		103	-		1		877	1041
	FEMALE		5		39	1		52		342	439
EPIDEMIOLOGICAL GONORRHEA	MALE									7	7
	FEMALE									46	46
CHANCROID	MALE				3					22	25
	FEMALE				-					5	5
GRANULOMA INGUINALE	MALE									1	1
	FEMALE									-	-
LYMPHOPATHIA VENEREUM	MALE				4					15	19
	FEMALE				-					2	2
TOTAL VENEREAL DISEASE	MALE		-	1	246	-	7	5	2	1064	1325
	FEMALE		49	1	56	2	6	58	-	445	617
TOTAL			49	2	302	2	13	63	2	1509	1942

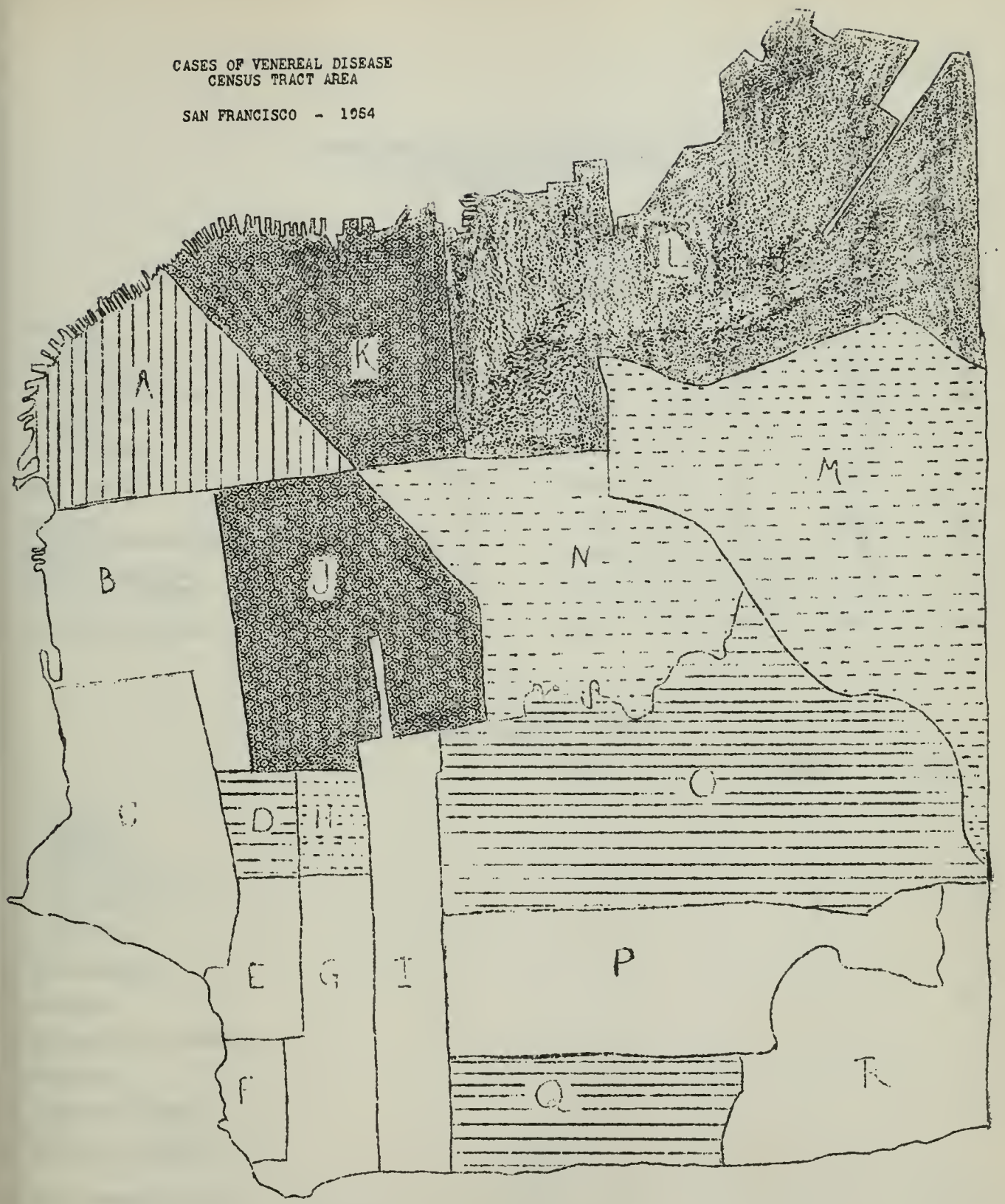
REPORTED CIVILIAN CASES OF VENEREAL DISEASE BY CENSUS TRACT
SAN FRANCISCO - 1954

	CENSUS TRACT																			
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	NON RES.	UNKNOWN	TOTAL
SYPHILIS																					
PRIMARY	13	3					1			10	1				1				2		31
SECONDARY	4			2						6	1	1	1		1				2		18
EARLY LATENT	12	5		1				1		25	2	1		1	2				2		52
LATE LATENT & LATE CONGENITAL	15	3								46	12	27	10	4	3	1	1		70	4	196
										3											3
OTHER	4	1								10	2	1	1	2	2				25	1	49
NOT STATED										3	1	2		1					1		8
TOTAL SYPHILIS	48	12		3			1	1		103	19	32	12	8	9	1	1		102	5	357
GONORRHEA	232	44	3				3	11		583	180	172	58	65	17	2	5		77	28	1480
EPIDEMIOLOGICAL GONORRHEA	7	1								26	3	4	4	5					3		53
CHANCROID	4	1								8	3	9	2	1	1					1	30
GRANULOMA INGUINALE										1											1
LYMPHOPATHIA VENEREUM	2	1								5	4	3	1	1	1				3		21
TOTAL VENEREAL DISEASE	293	59	3	3			4	12		726	209	220	77	80	28	3	6		185	34	1942
RATE:																					
SYPHILIS	45.1	2.1	-	29.4	-	-	3.5	8.7	-	84.4	60.8	38.7	14.2	9.9	12.1	2.2	36.1	-	-	-	-
GONORRHEA	218.0	7.7	6.1	-	-	-	10.5	95.4	-	498.8	596.1	212.8	73.2	86.4	22.7	4.4	18.0	-	-	-	-
TOTAL VENEREAL DISEASE	217.9	10.1	6.1	29.4	-	-	14.1	104.1	-	594.6	669.4	266.0	90.9	98.8	37.4	6.6	21.7	-	-	-	-

* Rates per 100,000 Population in Census Tracts.

CASES OF VENEREAL DISEASE
CENSUS TRACT AREA

SAN FRANCISCO - 1954



KEY: CASES PER 100,000 POPULATION

0 - 20 Cases

20 - 80 Cases

80 - 150 Cases

150 - 250 Cases

250 - 350 Cases

Over 350 Cases

REPORTED CIVILIAN CASES OF VENEREAL DISEASE
IN SAN FRANCISCO PREVIOUSLY TREATED
FOR THIS DISEASE - 1954

	Previously Treated	Percent Previously Treated	Not Previously Treated	Not Stated Or Unknown	TOTAL
SYPHILIS:					
PRIMARY	1	3.22	11	19	31
SECONDARY	0	0	9	9	18
EARLY LATENT	5	9.61	28	19	52
LATE LATENT & LATE	69	35.20	23	104	196
CONGENITAL	1	33.33	1	1	3
OTHER	13	26.53	8	28	49
NOT STATED	1	12.50	-	7	8
TOTAL SYPHILIS	90	25.21	80	187	357
GONORRHEA	7	.47	44	1429	1480
EPIDEMIOLOGICAL GONORRHEA	-	-	-	53	53
CHANCROID	2	6.66	-	28	30
GRANULOMA INGUINALE	-	-	-	1	1
LYMPHOPATHIA VENEREUM	1	4.76	2	18	21
TOTAL VENEREAL DISEASE	100	5.15	126	1716	1942

MILITARY CASES OF VENEREAL DISEASE
REPORTED IN SAN FRANCISCO 1954

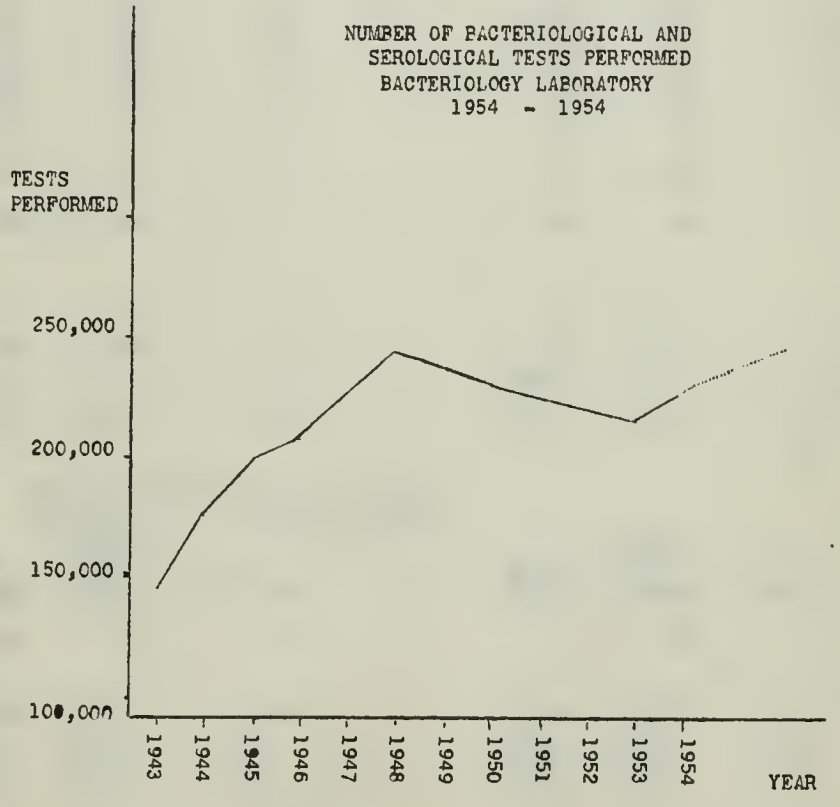
	MALE	FEMALE	TOTAL
SYPHILIS:			
PRIMARY	-	-	-
SECONDARY	1	-	1
EARLY LATENT	1	-	1
LATE LATENT & LATE	1	-	1
CONGENITAL	-	-	-
OTHER	1	-	1
NOT STATED	1	-	1
TOTAL SYPHILIS	5	-	5
GONORRHEA	308	4	312
EPIDEMIOLOGICAL GONORRHEA	-	-	-
CHANCROID	35	-	35
GRANULOMA INGUINALE	-	-	-
LYMPHOPATHIA VENEREUM	-	-	-
TOTAL VENEREAL DISEASE	348	4	352

LABORATORIES

The bacteriology section of the Laboratories received a larger total of specimens for examination in 1954 than in 1953. Although there was a decrease in the number of pathology specimens received, there was an increase in the number of serology specimens received. The percentage of pathology specimens found to be positive were 10.8 percent in 1954, 12.2 percent were positive in 1953.

The total number of tests performed by the laboratory section is shown in the graph for the period 1943 - 1954. If the current trend continues we may expect a total of approximately 235,000 to 240,000 tests to be performed on specimens received during 1955.

Many samples received for analysis require more than one test and are submitted to conformation tests when doubtful or positive results are obtained. For example: The number of blood samples received for serological (V.D.) examination were 37,660 while the tests performed on these samples numbered 112,119. In other words there was an average of 2.9 tests per sample of blood received.



The criterion for laboratory work is not the number of samples received for analysis but rather the number of tests performed.

A comparison of tests performed on Dairy and Milk products by the bacteriological and chemical divisions of the laboratory would indicate that there are over 6 times as many specimens received for bacteriological examination than for chemical analysis and 7 times as many individual bacteriological tests performed on Milk and Dairy products as there are chemical analysis. The laboratories average more than twice as many tests as specimens received.

NUMBER OF PATHOLOGY SPECIMENTS AND TESTS PERFORMED
BACTERIOLOGICAL LABORATORY
1953 - 1954

	1953			1954		
	Specimens Received	Tests Done	Positives Found	Specimens Received	Tests Done	Positives Found
DIPHTHERIA	908.	908	9	552	552	6
MENINGOCOCCI	19	19	-	-	-	-
GONOCOCCI	11,795	11,795	1514	11,401	11,401	1479
PARASITOLOGY	1014	1014	380	790	790	227
PERTUSSIS	19	19	-	23	23	-
RABIES	48	48	-	43	43	-
STAPHLOCOCCI CULTURES	2	2	-	36	36	3
STREPTOCOCCI CULTURES	1	1	-	1	1	-
TYPHOID CULTURES)	2063	2063	16	1241	1241	10
SALMONELLA CULTURES)		2062	168		1241	76
SHIGELLA CULTURES)		2062	355		1241	84
OTHER STOOL AND URINE	2071	2071	8	242	242	-
TRICHINOSIS	1	1	-	1	1	-
TUBERCULOSIS SMEARS	8931	8931	1595	9454	9454	1196
TUBERCULOSIS CULTURES	2922	2922	348	3365	3365	306
TRICHOMONAS VAGINALIS	11	11	7	18	18	-
DARKFIELD EXAMS. (T. PALLIDUM)	343	343	12	279	279	20
FOOD POISONINGS	805	805	37	368	368	19
MICROSCOPIC URINE (Clinical)	24	24	2	23	23	-
RAPE CASES (POLICE DEPT.)	184	184	63	167	167	39
SEDIMENTATION RATES (Children's Rheumatic Clinic)	332	332	-	190	190	-
OTHER EXAMINATIONS	19	19	-	45	45	9
SPINAL FLUID (V.D.)	1572	1572	37	1725	1725	41
TOTAL	33,084	37,208	4,549	29,964	32,446	3,515

SEROLOGY PERFORMED BY BACTERIOLOGY LABORATORY 1953 - 1954

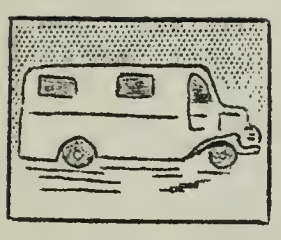
TEST	1953 Spec. Rec'd.	1953 Tests Performed	1953 Positive	1954 Spec. Rec'd	1954 Tests Performed	1954 Positive
BLOOD AGGLUTINATIONS	409	409	15	362	362	14
BLOOD SERUM						
MAZZINI	37,660	37,660	4388	40,040	40,040	4380
V.D.R.L.	14,777	14,777	1136	40.040	40,040	3280
KOLMER QUAL.	11,172	11,172	900	12,726	12,726	773
KOLMER QUANT.	4851	48,510	2574	5494	54,950	2337
SPINAL FLUID	1212	3777	129	1342	3817	115
ANTISTREPTOLYSIN	28	28	12	166	166	101
TOTAL	39,309	115,973	9154	41,910	152,101	11,000

BACTERIOLOGY TESTS PERFORMED AND SPECIMENS
RECEIVED FROM SANITATION DIVISION
1953 - 1954

	1953		1954	
MILK	Spec. Rec'd.	Tests Performed	Spec. Rec'd.	Tests Performed
RAW MILK	14,336	14,336	14,287	14,287
PASTEURIZED MILK	4449	4449	3709	3709
SKIM MILK	682	682	504	504
CREAM	1156	1158	1094	1094
HALF & HALF	367	367	414	414
ICE CREAM	483	483	396	396
OTHER MILK PROD.	351	351	254	254
DAIRY EQUIPMENT	2302	2302	2167	2167
PHOSPHATASE TEST	-	-	-	-
FRUIT JUICES	111	111	80	80
	24,237	24,237	22,905	22,905
WATER				
DRINKING H2O	2061	14,428	1980	13,750
POOLS	427	2452	381	2286
SEWAGE	344	3450	62	620
OTHER	1153	1153	1919	1919
	3985	21,523	4342	18,676
TOTAL	28,222	45,760	27,247	41,480

NUMBER OF SPECIMENS AND TESTS PERFORMED
IN CHEMISTRY LAB.
1953 - 1954

	1953		1954	
	Spec. Analyzed	Tests Performed	Spec. Analyzed	Tests Performed
RAW MILK	-	-	19	19
PASTEURIZED MILK	905	1886	724	1668
SKIM MILK	-	-	16	30
CREAM	351	403	269	343
HALF & HALF	188	218	146	168
ICE CREAM	86	86	80	99
OTH. DAIRY & MILK PRODUCTS	130	141	195	298
PHOSPHATASE TEST	462	811	483	1055
FRUIT JUICES	-	-	1	1
TOTAL DAITY & MILK PRODUCTS	2122	3545	1933	3681
WATER & SEWAGE	273	903	319	1229
STOMACH CONTENTS	859	5353	1088	6961
TOXICOLOGICAL	165	1261	155	1135
URINE	415	929	563	1276
MISCELLANEOUS	1394	6221	654	6838
SCHOOL SUPPLIES	3139	3139	384	1850
SOBRIETY TEST (Police Dept.)	60	302	4	99
TOTAL	8427	21,653	5419	23,068



EMERGENCY HOSPITALS

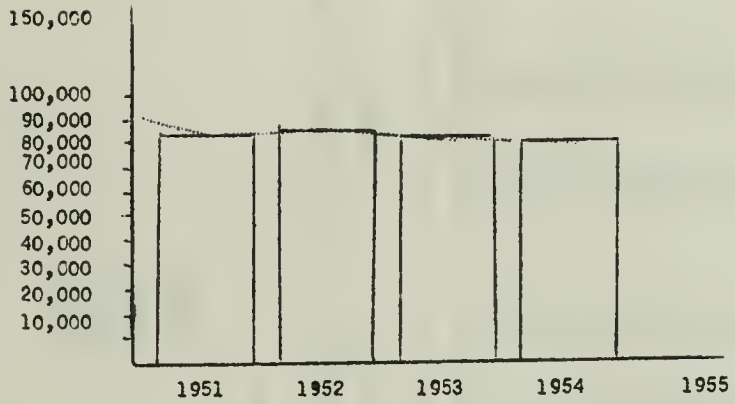
The Emergency Hospital Service has divided San Francisco into five zones. Each zone has a fully equipped hospital staffed by a doctor (no internes), a registered nurse, an ambulance crew consisting of driver and medical steward. Each hospital is open around the clock everyday of the year treating all cases regardless of race, creed, color or financial status. Ocean Beach Emergency Hospital is open for eight hours only on Saturdays, Sundays, Holidays and during summer vacation. This hospital is equipped similar to the other five, except that it has no ambulance service.

Insofar as possible, an emergency is deemed to be an injury or medical problem less than 24 hours old, though there are a few exceptions made. Emergency Hospital treatment is the liaison between an accident or illness, and permanent care. The treatment given is of an emergency nature and is meant only to carry the patient until permanent care can be obtained. (No X-ray or laboratory work is done).

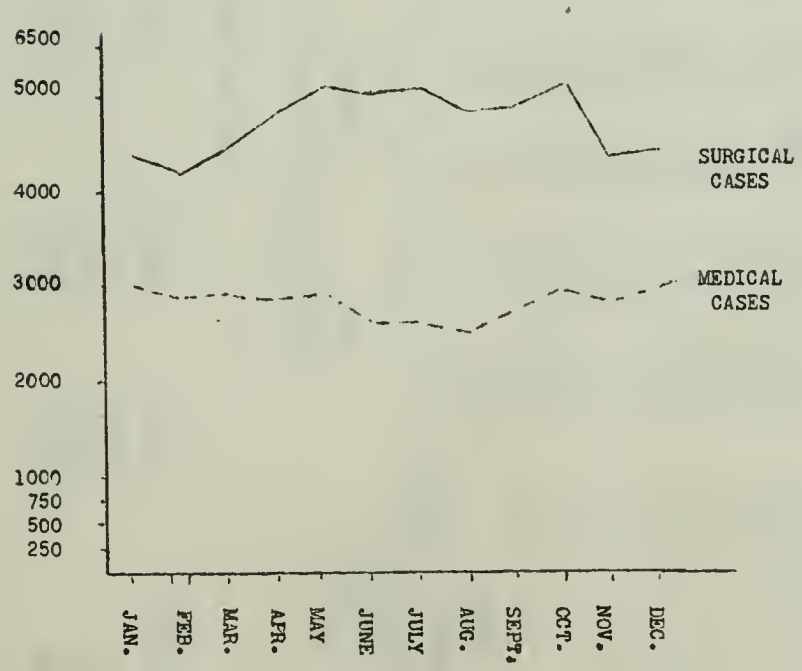
The Emergency Hospital Service is a public Service. It costs the taxpayer about 75 cents per year per person for practically unlimited emergency service, should it be needed.

The tables list the number of patients seen during 1954 by reason of treatment, medical or surgical. Also listed are the number of cases served from 1951 through 1954, of which 35,000 to 40,000 or approximately one-third, required ambulance service annually.

TOTAL CASES TREATED
IN EMERGENCY HOSPITALS
SAN FRANCISCO 1951-1954



SURGICAL AND MEDICAL CASES
TREATED IN SAN FRANCISCO EMERGENCY HOSPITALS
DURING 1954
(BY MONTH)



CASES TREATED IN EMERGENCY HOSPITALS
BY MONTH - 1954

	CENTRAL		HARBOR		MISSION		ALEMANY		PARK		OCEAN BEACH *		TOTAL	
	Surg.	Med.	Surg.	Med.	Surg.	Med.	Surg.	Med.	Surg.	Med.	Surg.	Med.	Surg.	Med.
JANUARY	987	391	543	258	1250	2091	831	135	731	140	14	3	4356	3018
FEBRUARY	903	353	450	247	1161	2053	909	114	785	175	26	5	4234	2947
MARCH	1019	346	522	260	1156	2108	933	100	815	171	17	3	4462	2988
APRIL	1004	404	552	288	1330	1960	981	112	929	125	41	5	4837	2894
MAY	1070	406	595	252	1388	1978	1074	136	928	153	59	3	5114	2932
JUNE	1042	390	516	244	1451	1749	1040	111	897	140	86	11	5032	2645
JULY	1028	352	530	219	1403	1791	991	100	904	184	230	2	5086	2648
AUGUST	967	340	503	243	1470	1728	889	103	879	127	97	28	4805	2569
SEPTEMBER	1019	381	493	215	1328	1884	1013	116	895	196	89	1	4837	2793
OCTOBER	1105	407	583	236	1323	2050	1113	111	986	175	32	4	5142	2983
NOVEMBER	936	352	440	216	1241	1959	901	131	819	145	16	1	4353	2804
DECEMBER	1044	363	571	206	1192	2097	839	125	822	149	6	1	4474	2941
TOTAL	12,124	4485	6298	2888	15,693	23,448	11,514	1394	10,390	1880	713	67	56,732	34,162
	16,609		9186		39,141		12,908		12,270		780		90,894	

* Ocean Beach Emergency open Saturdays, Sundays and Holidays, except during school vacation when open on 7 day basis.

TOTAL CASES TREATED BY EMERGENCY HOSPITALS
1951 - 1954

	CENTRAL	HARBOR	MISSION	ALEMANY	PARK	OCEAN BEACH	TOTAL
1951	18,962	9864	41,174	12,721	12,480	534	95,735
1952	17,687	9932	43,265	12,252	12,378	888	96,402
1953	17,411	9808	39,949	13,090	12,316	922	93,496
1954	16,609	9186	39,141	12,908	12,270	780	90,894

SAN FRANCISCO PUBLIC HEALTH

1955

STATISTICAL REPORT

DOCUMENTS DE

CITY AND COUNTY OF SAN FRANCISCO
DEPARTMENT OF PUBLIC HEALTH

CENTRAL OFFICE
1 GROVE STREET
ZONE 2

P R E F A C E

The patient of the Health Department is the community it serves.

The statistical data which follows gives some insight into the structure, the functioning, the advances, and the losses which characterized our patient, the people of San Francisco, during the past year.

Basically, San Francisco is healthy, but the evidence reveals that it is an aging patient, that it has many chronic disabilities, and that in our planning for the future, we must take into consideration the necessity for the promotion of physical and mental efficiency among all of our people, as well as the prevention of death and disability, where it is possible.

These data have been prepared by the Bureau of Records and Statistics, a newly created bureau under the direction of its Chief, Miss Mildred Holota.

Ellis D. Sox, M. D.
Director of Public Health

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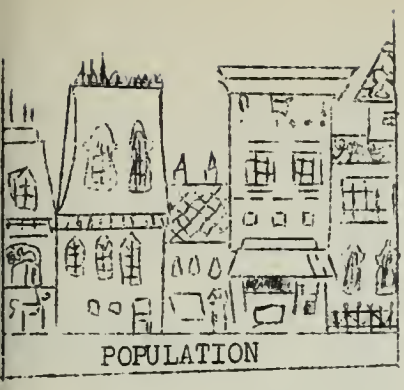


POPULATION

San Francisco's population on July 1, 1955 was estimated at 794,900 by the California State Department of Finance, a decrease of 3,400 from the revised estimate of population for July 1, 1954. The figure is about 3½% higher than in 1950 but considerably less than the estimated gain in population - about 23% - for the State of California since that year. Using 1950 percentages, the number of males can be estimated at 399,700 and the number of females as 395,200.

Estimated figures for racial groups for 1955 are:

TOTAL	794,900	100.0%
WHITE	702,200	88.3
NEGRO	48,000	6.0
CHINESE	30,000	3.8
JAPANESE	7,000	0.9
OTHER NON-WHITE	7,700	1.0

ESTIMATED AGE GROUPS

AGE GROUP	PERCENT OF TOTAL IN 1950	APPLIED TO 1955 POPULATION
TOTAL	100.0	794,900
Under 5 Years	8.1	64,387
5 - 14	9.8	77,900
15 - 24	12.8	101,747
25 - 44	33.9	269,472
45 - 64	25.8	205,084
65 and Over	9.6	76,310

Comparative figures from the 1950 Census for age groups for the U.S., California and 3 counties adjacent to San Francisco are:

	U.S.	Calif.	S.F.	Alameda	Marin	San Mateo
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 Years	10.7	10.4	8.1	10.2	10.5	12.5
5 - 14	16.1	14.2	9.8	12.5	13.4	14.5
15 - 24	14.8	13.2	12.8	13.6	12.9	10.6
25 - 44	30.0	32.5	33.9	33.5	36.1	36.2
45 - 64	20.3	21.3	25.8	21.6	19.7	19.9
65 and Over	8.1	8.4	9.6	8.6	7.4	6.3

The fact that San Francisco is a city of older people is most clearly demonstrated by the low birth rate, the low percentage of the population in the pre-school and the 5 - 14 age group, as well as the high percentage in the over-45 age group, in contrast with the rates for adjacent counties, for the State of California and for the United States as a whole.

POPULATION ESTIMATES FOR CENSUS TRACTS FOR 1955

TOTAL - 794,900

CENSUS TRACT		CENSUS TRACT	
A	111,300	J	123,100
B	58,500	K	31,500
C	4,760	L	83,500
D	9,800	M	85,900
E	14,300	N	81,400
F	390	O	75,400
G	28,500	P	46,000
H	11,800	Q	27,800
I	30	R	920

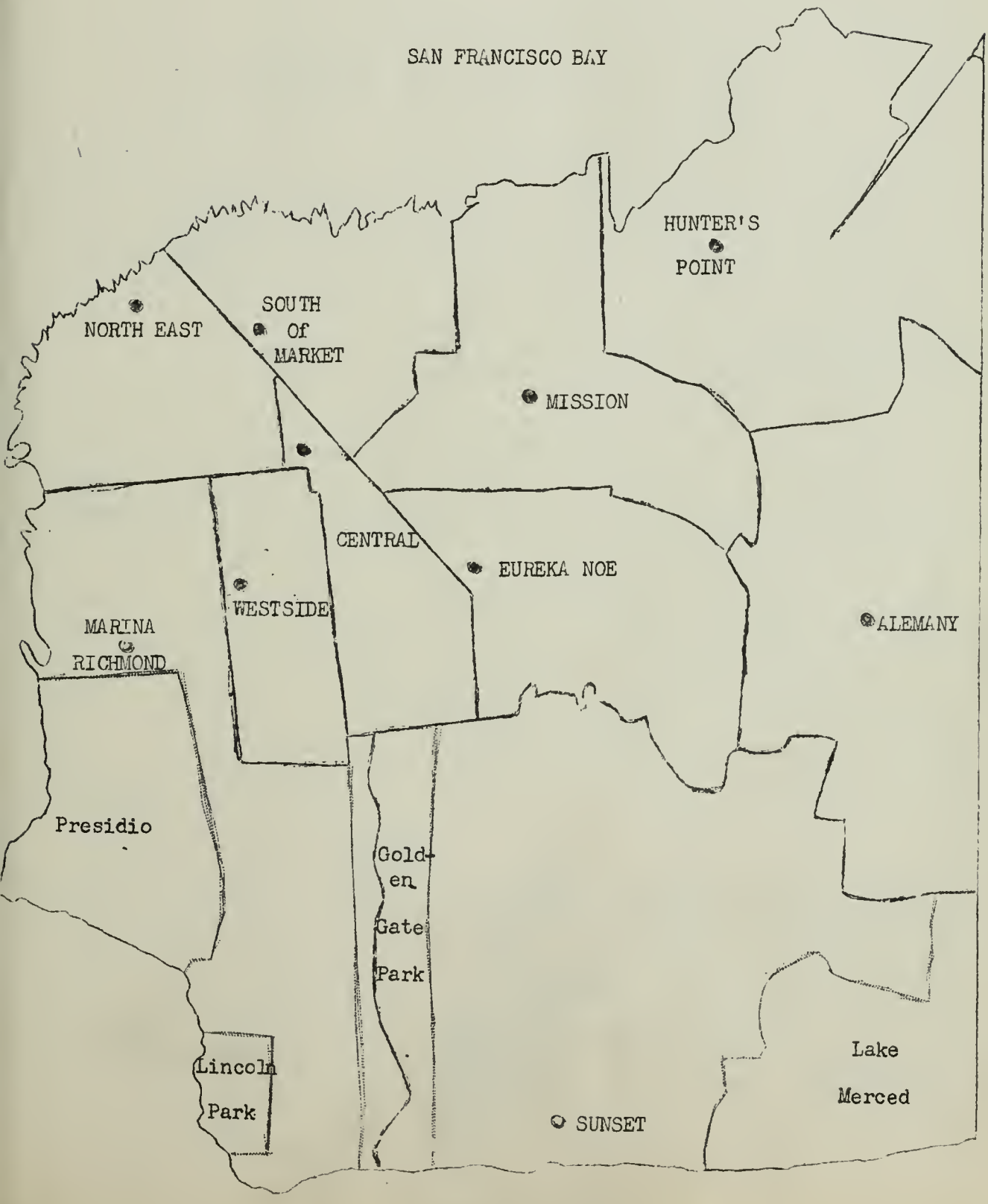
POPULATION ESTIMATES FOR HEALTH DISTRICTS

TOTAL - 794,900

NORTH-EAST	106,400
CENTRAL	65,400
WESTSIDE	62,600
MARINA-RICHMOND	128,000
SOUTH OF MARKET	28,900
MISSION	71,900
EUREKA-NOE	73,200
HUNTER'S POINT	61,300
ALEMANY	74,300
SUNSET	122,900

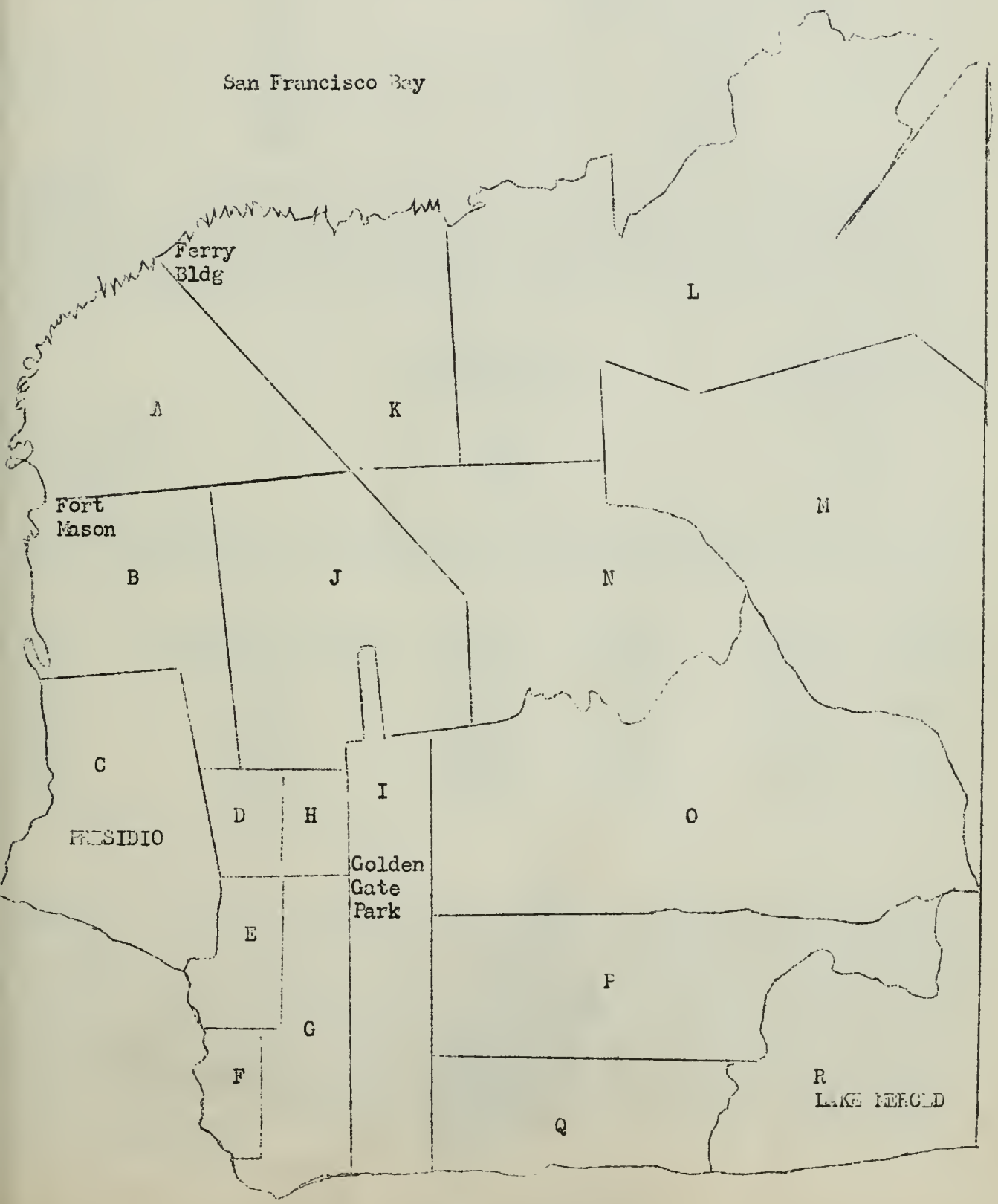
Dates for births and morbidity have been worked out for Health Districts in this report. They are available by census-tract from the Bureau of Records and Statistics.

SAN FRANCISCO HEALTH DISTRICTS AND HEALTH CENTERS



CENSUS TRACT AREAS

San Francisco



MARRIAGES: The number of marriage licenses issued in San Francisco during 1955 was 6,509, less than half the all-time high of 1945 (13,241).

YEAR	MARRIAGE LICENSES ISSUED
1951	7,652
1952	7,528
1953	7,091
1954	6,802
1955	6,509

BIRTHS: Nationally and in California as a whole, the number of live births continued to increase though there was a slight decrease in the birth rate because of the increase in total population. In San Francisco, the number of births and the birth rate have continued the downward trend evident since the peak year of 1947 when there were 19,751 resident births and the birth rate was 30.3

	Rate per 1,000 Population 1954	Rate per 1,000 Population 1955
UNITED STATES	25.3	24.9
CALIFORNIA	24.1	23.9
SAN FRANCISCO	19.0	18.3

The following table shows the revised population estimates, the number of resident births, crude birth rate, resident deaths and crude death rates for the years, 1951 through 1955.

YEAR:	Revised Estimated Population	Resident Births	Birth Rate*	Resident Deaths	Crude Death Rate*
1951	776,200	15,505	20.0	9527	12.3
1952	791,500	15,710	19.8	9693	12.2
1953	795,900	15,364	19.3	9435	11.8
1954	798,300	15,171	19.0	9160	11.5
1955	794,900	14,540	18.3	9161	11.5

* Rate per 1,000 population

DEATHS: The crude death rate for San Francisco residents remained at 11.5 per 1,000 during 1954 and 1955 although a slight downward trend has otherwise been in evidence over the past five years. There was no change in the number of deaths of San Francisco residents, the figure for 1955 being 9,161 and for 1954, 9,160. The death rate for San Francisco was as usual appreciably higher than the provisional 1955 United States and California figures, partly because of the difference in age-group distribution among the three jurisdictions and partly, perhaps, because of San Francisco's "emotional instability". Further study is needed to try to explain why San Francisco has a higher death rate from cirrhosis of the liver and suicides. TABLE V shows the death rates and percent of total deaths for the three areas.

TABLE V
DEATHS FROM IMPORTANT CAUSES,
SAN FRANCISCO, CALIFORNIA & UNITED STATES - 1955

CAUSE OF DEATH		Rank & Death Rate Per 100,000 Population						Percent of Total Deaths		
		S.F.		Calif.		U.S.		S.F.	Calif.	U.S.
		Rank	Rate	Rank	Rate	Rank	Rate			
ALL CAUSES		-	1152.5	-	877.8	-	929.5	100.0	100.0	100.0
Heart Disease	410-443	(1)	457.3	(1)	335.0	(1)	352.0	39.7	38.3	37.9
Malignant Neoplasms	140-205	(2)	200.9	(2)	142.5	(2)	147.6	17.4	16.2	15.9
Vascular Lesions of C.N.S.	330-334	(3)	100.9	(3)	97.8	(3)	106.6	8.8	11.1	11.5
Accidents	800-965	(4)	58.4	(4)	55.7	(4)	55.6	5.1	6.3	6.0
Cirrhosis of Liver	581	(5)	36.2	(8)	16.7	(9)	10.8	3.1	1.9	1.2
Dis. of Early Infancy	760-776	(6)	30.1	(5)	36.0	(5)	39.8	2.6	4.1	4.3
Pneumonia & Influenza	480-483 490-493	(7)	28.8	(6)	24.4	(6)	27.5	2.5	2.8	3.0
Arteriosclerosis	450	(8)	26.5	(7)	22.4	(7)	19.4	2.3	2.6	2.1
Suicides	970-979	(9)	24.4	(9)	15.2	(10)	9.9	2.1	1.7	1.1
Diabetes	260	(10)	16.1	(10)	10.3	(8)	15.2	1.4	1.2	1.6
Tuberculosis	001-019	(11)	14.6	(11)	8.2	(11)	9.5	1.3	0.9	1.0
ALL OTHER CAUSES			158.3		113.6		135.6	13.7	12.9	14.4

SOURCE: National Data from NOVS
California data from State Department of Public Health.

DEATHS FROM SELECTED CAUSES, CITY & COUNTY OF SAN FRANCISCO,
BY PLACE OF RESIDENCE AND OCCURRENCE

CAUSE OF DEATH & INT. LIST NUMBER		1955 Deaths by Residence Number	Rate	Percent	1955 Deaths By Occurrence	1954 Resident Number	Rate
TOTAL, ALL CAUSES		9161	1152.5	100.0	9569	9160	1147.4
SELECTED DISEASES USUALLY CHRONIC IN NATURE							
Cardiovascular Renal Diseases, Total	4935	620.8	53.9	4821	5003	626.7	
Vascular Lesions C.N.S.	330-334	802	100.9	8.8	727	865	108.4
Rheumatic Fever	400-402	4	.5	-	5	9	1.1
Diseases of the Heart, Total	410-443	3635	457.3	39.7	3591	3653	457.6
Chronic Rheumatic Heart Disease	410-416	112	14.1	1.2	148	137	17.2
Arteriosclerotic Heart Including Coronary Dis.	420	2832	356.3	30.9	2789	2792	349.7
Chr. Endocarditis and Myocarditis	421-422	235	29.6	2.6	194	283	35.5
Hypertension with Heart	440-443	397	49.9	4.3	392	378	47.3
Other Heart Diseases	430-434	59	7.4	0.6	68	63	7.9
Hypertension without Mention of Heart	444-447	62	7.8	0.7	55	61	7.6
General Arteriosclerosis	450	211	26.5	2.3	159	207	25.9
Other Diseases of Circulatory System	451-468	161	20.3	1.8	212	150	18.8
Nephritis, Chronic & Unspecified	592-594	60	7.5	0.7	72	58	7.3
Malignant Neoplasms, Total		1597	200.9	17.4	1987	1543	193.3
Buccal Cavity & Pharynx	140-148	44	5.5	0.5	55	61	7.6
Digestive Organs & Peritoneum	150-155, 158-159	579	72.8	6.3	684	601	75.3
Respiratory System	160-164	243	30.6	2.7	303	200	25.0
Breast*	170	160	20.1	1.7	187	142	17.8
Uterus*	171-174	85	10.7	0.9	87	79	9.9
Oth. Female Genital Organs*	175-176	77	9.7	0.8	81	50	6.3
Skin (Exc. Vulva & Scrotum)	190-191	32	4.0	0.3	37	28	3.5
Hodgkin's Disease	201	19	2.4	0.2	30	15	1.9
Leukemia & Aleukemia	204	42	5.3	0.5	103	59	7.4
Other & Unspecified Sites	156,165,177-181 192-199, 200, 202-203	316	39.8	3.5	420	308	38.6
Diabetes Mellitus	260	128	16.1	1.4	137	110	13.8
Cirrhosis of the Liver	581	288	36.2	3.1	304	334	41.8
Ulcer of Stomach & Duodenum	540-541	101	12.7	1.1	109	97	12.2
Hernia & Intestinal Obstruction	560 561,570	60	7.5	0.7	67	60	7.5

DEATHS FROM SELECTED CAUSES (Continued)

CAUSE OF DEATH & INT. LIST NUMBER		1955 Deaths by Residence Number	Rate	Percent	1955 Deaths by Occurrence	1954 Resident Number	Rate
TOTAL, ALL CAUSES		9161	1152.5	100.0	9569	9160	1147.4
ACCIDENTS, POISONINGS & VIOLENCE							
Accidents, Total		464	58.4	5.1	416	480	60.1
Motor Vehicle	810-835	128	16.1	1.4	98	130	16.3
Home Accidents	870-936(.0)	180	22.7	2.0	183	180	22.5
All Other		156	19.6	1.7	135	170	21.3
Suicides	963,970-979	194	24.4	2.1	199	200	25.0
Homicides	980-985	48	6.0	0.5	51	38	4.8
SELECTED COMMUNICABLE DISEASES							
Pneumonia	490-493	226	28.4	2.5	185	235	29.4
Influenza	480-483	3	0.4	-	2	2	0.3
Tuberculosis, Respiratory System	001-008	107	13.5	1.2	87	114	14.3
Tuberculosis, Other Forms	010-019	9	1.1	0.1	13	17	2.1
Syphilis	020-029	46	5.8	0.5	43	48	6.0
Poliomyelitis	080-081	2	0.3	-	5	5	0.6
Infectious Hepatitis	092	3	0.4	-	3	3	0.4
Other Infective & Parasitic Diseases	001-138 (Except those above)	6	0.8	-	11	16	2.0
ALL OTHER CAUSES							
Puerperal Deaths	640-689	3	0.4	-	5	7	0.9
Congenital Malformations	750-759	80	10.1	0.9	155	77	9.6
Diseases of Early Infancy	760-776	239	30.1	2.6	310	252	31.6
All Other Specified Causes-Residual		590	74.2	6.4	638	491	61.5
Senility, Ill-Defined and Unknown Causes	780-795	32	4.0	0.3	21	28	3.5

* The deaths from breast cancer include 2 males. The sex-specific rate for females is 40.0 The sex-specific rate is 21.5 for cancer of the uterus and 19.5 for cancers of other female genital organs.

Rate per 100,000 population

IMPORTANT CAUSES OF DEATH

The important causes of death in 1955 were those of 1954 except that tuberculosis for the first time, did not appear in the "ten leading causes", but changed places with diabetes to become eleventh on the list.

Heart diseases accounted for about 40% of deaths at all ages although they did not appear as the leading cause of death until the 45-64 year age group. They were the cause of nearly one-half the deaths in the over 65 age group. Arteriosclerotic heart disease and coronary artery disease were most frequently cited and caused 30% of all deaths.

Cancer, the second leading cause at all ages, superseded heart disease in the 25-44 year age group. Neoplasms of the digestive organs and peritoneum played a major role, accounting for 6.3% of all deaths and about 36% of the deaths from cancer. However the rate for these sites dropped slightly from 1954 while respiratory cancers increased.

Accidents were the leading cause of death in the 1-24 year age group, accounting for 36% of the 124 deaths. They were the second leading cause in the 25-44 year age group and the fifth cause of death among those over 45 years of age. Home accidents were the leading single cause in this group.

Cirrhosis of the liver, the fifth cause at all ages, was third in importance in the 45-64 year age group; however, in number, rate and percent, it was slightly lower in 1955 than in 1954.

DEATHS FROM IMPORTANT CAUSES, ALL AGES

	1955			1954		
CAUSE OF DEATH	Number	Rate	Percent	Number	Rate	Percent
TOTAL ALL CAUSES	9161	1152.5	100.0	9160	1147.4	100.0
Heart Disease	3635	457.3	39.7	3653	457.6	39.9
Malignant Neoplasms	1597	200.9	17.4	1543	193.3	16.8
Vascular Lesions of C.N.S.	802	100.9	8.8	865	108.4	9.4
Accidents	464	58.4	5.1	480	60.1	5.2
Cirrhosis of Liver	288	36.2	3.1	334	41.8	3.6
Diseases of Early Infancy	239	30.1	2.6	252	31.6	2.8
Pneumonia and Influenza	229	28.8	2.5	237	29.7	2.6
Arteriosclerosis	211	26.5	2.3	207	25.9	2.3
Suicides	194	24.4	2.1	200	25.1	2.2
Diabetes	128	16.1	1.4	110	13.8	1.2
Tuberculosis	116	14.6	1.3	131	16.4	1.4

As has been the case in past years, the death rates for the Negro and Chinese groups were substantially lower than for the city as a whole; the 1955 rates were 7.6 per 1,000 for Negroes and 7.9 for the Chinese compared to 11.5 for all racial groups. The 1955 rates were also more favorable than during 1954 when they were 8.3 and 10.5 respectively. Heart disease was the leading cause of death for both racial groups while tuberculosis, formerly a major problem, claimed only six (6) Chinese victims in 1955 and the same number of Negroes. Percentagewise, homicides loomed disproportionately large as a cause of death among Negroes. Almost 5% of the Negro deaths were in the group amounting to 35% of all deaths from this cause in 1955. Again, as in 1953 and 1954, the second most important cause of death among Negroes was diseases of early infancy though the rate decreased from 131.5 in 1954 to 110.4 in 1955.

LEADING CAUSES OF DEATH FOR SAN FRANCISCO WHITES, NEGROES AND CHINESE BY RANK ORDER AND RATE PER 100,000 POPULATION; CORRECTED FOR RESIDENCE

1955

CAUSE OF DEATH	S.F.		WHITES		NEGROES		CHINESE	
	Rank	Death Rate	Rank	Death Rate	Rank	Death Rate	Rank	Death Rate
ALL CAUSES	-	1152.5	-	1205.1	-	756.3	-	786.7
Heart Disease	1	457.3	1	488.9	1	187.5	1	246.7
Malignant Neoplasms	2	200.9	2	212.9	3	95.8	2	126.7
Vascular Lesions of C.N.S.	3	100.9	3	107.4	5	45.8	3	70.0
Accidents	4	58.4	4	59.2	4	50.0	4	43.3
Cirrhosis of Liver	5	36.2	5	38.3	9	22.9	7	20.0
Diseases of Early Infancy	6	30.1	9	24.6	2	110.4	5	26.7
Pneumonia and Influenza	7	28.8	6	32.6	7	31.3	7	20.0
Arteriosclerosis	8	26.5	7	28.6	-	8.3	7	20.0
Suicides	9	24.4	8	26.2	-	6.3	6	23.3
Diabetes	10	16.1	10	16.4	-	8.3	6	23.3
Tuberculosis	11	14.6	11	14.5	10	12.5	7	20.0
Homicides	-	6.0	-	4.4	6	35.4	-	-
Congenital Malformations	-	10.1	-	8.4	8	25.0	5	26.7

IMPORTANT CAUSES OF DEATHS BY SEX, 1955

MALES

CAUSE OF DEATH	Number	Rate	Percent
ALL CAUSES	5264	1317.0	100.0
Heart Disease	2092	523.4	39.7
Malignant Neoplasms	861	215.4	16.4
Vascular Lesions of CNS.	382	95.6	7.3
Accidents	314	78.6	6.0
Cirrhosis of Liver	192	48.0	3.6
Influenza & Pneumonia	142	35.5	2.7
Diseases of Early Infancy	129	32.3	2.4
Suicides	125	31.3	2.4
Arteriosclerosis	106	26.5	2.0
Tuberculosis	93	23.3	1.8
Other	828	207.2	15.7

FEMALES

ALL CAUSES	3897	986.1	100.0
Heart Disease	1543	390.4	39.6
Malignant Neoplasms	736	186.2	18.9
Vascular Lesions of CNS.	420	106.3	10.8
Accidents	150	38.0	3.8
Diseases of Early Infancy	110	27.8	2.8
Arteriosclerosis	105	26.6	2.7
Cirrhosis of Liver	96	24.3	2.5
Influenza & Pneumonia	84	21.3	2.1
Suicides	69	17.5	1.8
Hypertension (No heart disease)	38	9.6	1.0
Kidney Infections	31	7.8	0.8
Congenital Malformations	30	7.6	0.8
Other	485	122.7	12.4

DEATHS FROM IMPORTANT CAUSES BY AGE-GROUP
RESIDENTS OF CITY & COUNTY OF SAN FRANCISCO
CALENDAR YEAR - 1955

1 - 4 YEARS

	TOTAL			
	No.	Percent	Males	Females
TOTAL, ALL CAUSES	34	100.0	19	15
Accidents	8	23.5	5	3
Congenital Malformations	7	20.6	6	1
Pneumonia & Influenza	6	17.6	1	5
Malignant Neoplasms	5	14.7	3	2
Heart Disease	2	5.9	-	2
Diseases of Digestive System	2	5.9	1	1
ALL OTHER CAUSES	4	11.8	3	1

1 Female from septicemia and 1 Male each from malnutrition, meningitis (H. Influenzae) and acute bronchitis.

DEATHS FROM IMPORTANT CAUSES BY AGE-GROUP
RESIDENTS OF CITY & COUNTY OF SAN FRANCISCO
1955

5 - 14 YEARS

	TOTAL No.	TOTAL Percent	Males	Females
TOTAL, ALL CAUSES	31	100.0	17	14
Accidents	10	32.3	6	4
Malignant Neoplasms	6	19.4	2	4
Heart Diseases	2	6.4	1	1
Unspecified Brain Neoplasm	2	6.4	1	1
Diseases of Digestive System	2	6.4	1	1
Diseases of C.N.S.	2	6.4	2	-
ALL OTHER CAUSES	7	22.7	4	3

Males, 1 each - pneumonia, asthma, puerpura, abscess.
Females, 1 homicide, aneurysm, bronchitis.

15 - 24 YEARS

TOTAL, ALL CAUSES	59	100.0	36	23
Accidents	27	45.8	18	9
Suicides	6	10.2	5	1
Nephritis, All Forms	5	8.5	3	2
Malignant Neoplasms	4	6.8	2	2
Heart Diseases	4	6.8	2	2
Homicides	3	5.0	2	1
Congenital Malformations	3	5.0	2	1
ALL OTHER CAUSES	7	11.9	2	5

1 Male each, diabetes and urethral disease;
Female, asthma, lipodosis, schizophrenia, hypertension and appendicitis with peritonitis.

25 - 44 YEARS

TOTAL, ALL CAUSES	561	100.0	318	243
Malignant Neoplasms	96	17.1	35	61
Accidents	95	16.9	66	29
Heart Diseases	85	15.2	61	24
Suicides	53	9.5	27	26
Cirrhosis of Liver	49	8.7	30	19
Homicides	22	3.9	18	4
Tuberculosis	19	3.4	12	7
Vascular Lesions of CNS.	17	3.0	3	14
Pneumonia	14	2.5	10	4
Nephritis, All Types	13	2.3	6	7
ALL OTHER CAUSES	98	17.5	50	48

DEATHS FROM IMPORTANT CAUSES BY AGE-GROUP (Continued)
1955

45 - 64 YEARS

	TOTAL			
	No.	Percent	Males	Females
TOTAL, ALL CAUSES	2771	100.0	1860	911
Heart Diseases	1001	36.1	727	274
Malignant Neoplasms	670	24.2	378	292
Cirrhosis of Liver	166	6.0	113	53
Vascular Lesions of C.N.S.	163	5.9	92	71
Accidents	149	5.4	116	33
Suicides	92	3.3	64	28
Pneumonia & Influenza	62	2.2	49	13
Diseases of Arteries	48	1.7	30	18
Ulcers of Stomach and Duodenum	45	1.6	38	7
Diabetes	25	0.9	9	16
ALL OTHER CAUSES	350	12.7	244	106

65 YEARS & OVER

TOTAL, ALL CAUSES	5345	100.0	2810	2535
Heart Diseases	2542	47.6	1302	1240
Malignant Neoplasms	817	15.3	443	374
Vascular Lesions of C.N.S.	622	11.7	287	335
Diseases of Arteries	248	4.6	130	118
Accidents	152	2.8	88	64
Pneumonia	130	2.4	74	56
Diabetes	96	1.8	41	55
Cirrhosis of Liver	73	1.4	49	24
Ulcers of Stomach and Duodenum	49	0.9	33	16
Hernias & Intestinal Obstructions	44	0.8	25	19
Suicides	43	0.8	29	14
ALL OTHER CAUSES	529	9.9	309	220

B I R T H S

Births in San Francisco decreased from 15,171 in 1954 to 14,540 in 1955 with a drop in the crude birth rate from 19.0 to 18.3. The ratio of males to females was 103 to 100. The number of white births decreased from 11,726 to 11,062 but the number of Negro births increased slightly from 1,985 to 2,041. Since the crude birth rates are based on population estimates that are not wholly satisfactory, some of the increases or decreases may not be real. Thus the apparent decrease in the Negro birth rate, from 44.3 per 1,000 population in 1954 (revised figure) to 42.5 in 1955 may be only because the population figure used as the base was increased almost 9%. Both the number of Chinese births and their birth rate decreased from 917 in 1954 to 865 in 1955 and from 35.9 to 28.8. These figures probably show a real decrease even though a larger population than in 1954 was used in calculating the rates.

The number of non-resident births occurring in San Francisco continued to increase, from 5,213 in 1954 to 5,578 in 1955 or almost 7%. However, the decrease in resident births offset the increase in non-resident births with a resulting decrease in the number of births recorded for 1955 as against 1954. The number of San Francisco babies born outside the city was 602.

While of course there can be no definitive figures on the number of illegitimate births, their number seems to be increasing in San Francisco, from 956 in 1954 to 997 in 1955 or 6.9% of the live births. Almost $\frac{1}{2}$ of these deliveries occurred at San Francisco Hospital and 71% were Negro births indicating some serious social and cultural problems.

Resident births have been shown by health district, and, as would be expected, the largest numbers occur in the Marina-Richmond and Sunset Districts. Related to population, the crude birth rates show a different picture. Northeast District with its high proportion of one-person households and hotel dwellers has a birth rate of 12.9 in contrast to the Mission rate of 24.7, the highest in the city. Marina-Richmond and Sunset are seen in their proper perspective with rates of 16.1 and 16.6, more nearly those of the city-wide rate of 18.3 and the white rate of 15.8; they also have low birth mortality indices. While the birth rates for West Side and Hunter's Point are not as high as Alemany, for example, their birth mortality indices show a need for improved living conditions and prenatal care; Alemany's birth mortality is the lowest in the city.

In using these figures it should be remembered that the boundaries of health districts do not always coincide with census tracts and adjustments in both population estimates and the figures for births had to be made. Birth rates by race by health district would be even more meaningful but it is not possible to work these out at present.

RECORDED, RESIDENT & NON-RESIDENT BIRTHS
BY PLACE OF BIRTH 1955 & 1954

	RECORDED		RESIDENT		NON-RESIDENT	
	1955	1954	1955	1954	1955	1954
TOTAL	19,516	19,723	14,540	15,171	5,578	5,213
Kaiser Foundation Hosp.	2,020	1,600	1,165	938	855	662
Military Hospitals	1,788	1,965	870	943	918	1,022
Mary's Help Hospital	1,742	1,721	1,366	1,383	376	338
St. Mary's Hospital	1,708	1,769	1,236	1,349	472	420
Stanford Hospital	1,676	1,714	1,173	1,234	503	480
Children's Hospital	1,664	1,767	1,191	1,270	473	497
St. Joseph's Hospital	1,405	1,476	1,025	1,149	380	327
San Francisco Hospital	1,397	1,617	1,384	1,609	13	8
St. Francis Hospital	1,307	1,378	998	1,066	309	312
University of Cal. Hosp.	1,222	1,134	836	810	386	324
Mt. Zion Hospital	1,033	1,025	770	785	263	240
St. Luke's Hospital	843	816	655	645	188	171
French Hospital	533	529	398	421	135	108
Chinese Hospital	524	531	501	517	23	14
Franklin Hospital	357	410	229	267	128	143
St. Elizabeth's Hospital	205	178	57	44	148	134
Own Home	70	66	67	61	3	5
Emergency Hospitals	7	7	7	6	-	1
Notre Dame Hospital	5	-	4	-	1	-
Doctor's Hospital	3	1	2	1	1	-
Hahnemann Hospital	1	4	1	3	-	1
Southern Pacific Hospital	1	-	1	-	-	-
Elsewhere (Enroute to Hosp.), Unknown	5	15	2	9	3	6
Out of Town			602	661	-	-

RESIDENT LIVE BIRTHS BY COLOR AND SEX
WITH BIRTH RATES FOR 1955 and 1954

	1954		1955			
	Births	Rate	Births	Rate	Males	Females
TOTAL	15,171	19.0	14,540	18.3	7,381	7,159
WHITE	11,726	16.4	11,062	15.8	5,638	5,424
NEGRO	1,985	44.3	2,041	42.5	1,028	1,013
CHINESE	917	35.9	865	28.8	438	427
JAPANESE	213	37.6	206	29.4	109	97
OTHER NON-WHITE	330	42.6	366	47.5	168	198

RESIDENT BIRTHS BY RACE AND HEALTH DISTRICT
SAN FRANCISCO, 1955

	TOTAL	WHITE	NEGRO	CHINESE	JAPANESE	OTHER
TOTAL	14,540	11,062	2041	865	206	366
NORTH-EAST	1349	607	37	664	11	30
CENTRAL	1375	942	322	28	21	62
WESTSIDE	1317	499	646	23	94	55
MARINA-RICHMOND	2061	1853	72	53	45	38
SOUTH OF MARKET	214	126	59	4	2	23
MISSION	1773	1518	176	19	6	54
EUREKA-NOE	1515	1439	22	15	7	32
HUNTER'S POINT	1292	762	460	30	7	33
ALEMANY	1596	1315	237	16	4	24
SUNSET	2044	1997	10	13	9	15
DISTRICT NOT REPORTED	4	4	-	-	-	-

BIRTH RATE AND BIRTH MORTALITY INDEX*
BY HEALTH DISTRICTS
SAN FRANCISCO 1955

HEALTH DISTRICT	Birth Rate	Birth Mortality Index
TOTAL	18.3	34.8
NORTH-EAST	12.9	38.5
CENTRAL	21.0	39.2
WESTSIDE	21.0	42.5
MARINA-RICHMOND	16.1	30.5
SOUTH OF MARKET	7.4	32.7
MISSION	24.7	31.6
EUREKA-NOE	20.7	35.0
HUNTER'S POINT	21.1	41.8
ALEMANY	21.5	28.2
SUNSET	16.6	32.3

* Birth Mortality Index is the sum of the stillbirth and neo-natal death rates.

ILLEGITIMATE BIRTHS BY INSTITUTION BY COLOR - SAN FRANCISCO

1955

PLACE OF BIRTH	TOTAL	PERCENT	COLOR				
			WHITE	NEGRO	CHINESE	JAPANESE	OTHER
TOTAL	997	100.0	464	496	10	6	21
San Francisco Hospital	492	49.4	129	349	1	-	13
Stanford Hospital	74	7.5	20	52	-	1	1
U. C. Hospital	65	6.5	49	10	1	4	1
H. Moffitt Hospital	65	6.5	57	8	-	-	-
St. Elizabeth Hospital	55	5.5	51	2	1	-	1
St. Francis Hospital	35	3.5	31	2	-	1	1
Permanente Hospital	30	3.0	8	21	1	-	-
Mary's Help Hospital	29	2.9	28	-	1	-	-
French Hospital	27	2.7	14	13	-	-	-
Children's Hospital	27	2.7	16	10	1	-	-
Notre Dame Hospital	18	1.8	9	8	1	-	-
St. Luke's Hospital	16	1.6	15	-	-	-	1
St. Joseph's Hosp.	15	1.5	8	6	1	-	-
St. Mary's Hospital	15	1.5	15	-	-	-	-
Home	14	1.4	2	9	1	-	2
Letterman Hospital	11	1.1	7	4	-	-	-
Franklin Hospital	5	0.5	5	-	-	-	-
Emergency Hospitals (S.F. Dept. of Public Health)	2	0.2	-	2	-	-	-
Chinese Hospital	2	0.2	-	-	1	-	1

OPERATIONS FOR DELIVERY SAN FRANCISCO RESIDENT BIRTHS, 1955

	TOTAL	Percent of Total Births
TOTAL	14,540	100.0
Total Operations	10,604	72.9
Forceps	4,364	30.0
Caesarian	689	4.7
Other Types	5,551	38.2
No Operations	3,936	27.1

MONTH OF SEROLOGY BY COLOR FOR ALL BIRTHS IN SAN FRANCISCO

1955

MONTH	TOTAL	WHITE	NEGRO	CHINESE	JAPANESE	OTHER
TOTAL	14,540	11,062	2,041	865	206	366
1	155	127	23	2	2	1
2	1744	1484	137	60	32	31
3	4910	4054	367	284	83	122
4-	2802	2256	274	164	51	57
5	1301	871	262	111	10	47
6	1198	676	302	184	6	30
7	1018	677	284	30	8	19
8	794	526	223	9	9	27
9	493	296	150	13	5	29
Post-Partum	125	95	19	8	-	3

RESULTS OF SEROLOGY OF MOTHER DURING PREGNANCY OR POST-PARTUM, BY COLOR

SAN FRANCISCO - 1955

COLOR	TOTAL	Negative Serology During Pregnancy	Negative Serology: Post-Partum	Positive Serology During Pregnancy	Not Stated
TOTAL	14,540	14,382	125	17	16
PERCENT OF TOTAL	100.0	99.0	0.8	0.1	0.1
White	11,062	10,940	95	13	14
Negro	2,041	2,022	16	2	1
Chinese	865	856	7	1	1
Japanese	206	204	2	-	-
Other	366	360	5	1	-

CONGENITAL DEFECTS BY SEX FOR ALL BIRTHS

SAN FRANCISCO - 1955

CONGENITAL DEFECTS	TOT.	MALE	FEMALE		TOT.	MALE	FEMALE
TOTAL	155	98	57				
Bone and Joint	47	33	14	Hydrocephalus	5	2	3
G.U. System	22	18	4	Other C.N.S.	3	2	1
Cleft Palate	14	6	8	Digestive System	2	2	-
Circulatory	8	1	7	Multiple	1	1	-
Monstrosity	8	5	3	Other	45	28	17

COMPLICATIONS OF LABOR
SAN FRANCISCO BIRTHS
1955

TOTAL BIRTHS	TOTAL	PERCENT
TOTAL	14,540	100.0
TOTAL NO COMPLICATIONS	13,171	90.6
TOTAL COMPLICATIONS	1369	9.4

COMPLICATIONS	
Previous Caesarian	266
Breech	228
Dystocia	174
Cord Around Neck	156
Abnormal Position	94
Inertia	59
Post-Partum Hemorrhage	49
Cord Prolapse	31
Placenta Abruptio	28
Placenta Retained	27
Dry Birth	6
Other (Face Presentation, Prolonged Labor, etc.)	251

COMPLICATIONS OF PREGNANCY
SAN FRANCISCO BIRTHS 1955

	TOTAL	PERCENT
TOTAL BIRTHS	14,540	100.0
TOTAL NO COMPLICATIONS	13,342	91.8
TOTAL COMPLICATIONS	1,198	8.2

COMPLICATIONS	
Pre-Eclampsia	133
RH Negative	109
Placenta Previa	80
Hypertension	42
Toxemia	41
Hemorrhage	23
Tumor (Fib. Myo.)	17
Tuberculosis (Arrested)	14
Heart	14
Diabetes	14
Lues - Syphilis	13
Pyelitis	13
Operation	8
Edema	5
Albuminuria	3
Hyperemesis	3
Multiple Birth	358
Other (Anemia, Obesity Etc).	308

RESIDENT LIVE BIRTHS BY PERIOD OF GESTATION AND COLOR
SAN FRANCISCO 1955

PERIOD OF GESTATION	TOTAL	PERCENT	White		Negro		Chinese		Japanese		Other	
			TOTAL	%	TOTAL	%	TOTAL	%	TOTAL	%	TOTAL	%
TOTAL	14,540	100.0	11,062	100.0	2041	100.0	865	100.0	206	100.0	366	100.0
UNDER 20 WEEKS	3	0.1	1	0.1	2	0.1	-	-	-	-	-	-
20 - 27 Weeks	75	0.5	46	0.4	24	1.2	1	0.1	2	1.0	2	0.6
28 - 31 Weeks	117	0.8	89	0.8	13	0.6	11	1.3	4	1.9	-	-
32 - 35 Weeks	362	2.5	245	2.3	86	4.2	19	2.2	4	1.9	8	2.2
36 Weeks	368	2.5	262	2.2	76	3.7	15	1.7	4	1.9	11	3.0
37 - 39 Weeks	1737	11.9	1010	9.1	233	11.4	398	46.0	30	14.6	66	18.0
40 Weeks	11,202	77.0	8840	79.9	1547	75.8	390	45.1	153	74.3	272	74.3
41 - 42 Weeks	637	4.4	535	4.8	55	2.7	31	3.6	9	4.4	7	1.9
OVER 42 WEEKS	39	0.3	34	0.4	5	0.3	-	-	-	-	-	-

BIRTHS IN SAN FRANCISCO BY WEIGHT AND RACE

1955

	TOTAL	PERCENT	WHITE		NEGRO		CHINESE		JAPANESE		OTHER	
			TOTAL	%	TOTAL	%	TOTAL	%	TOTAL	%	TOTAL	%
TOTAL	14,540	100.0	11,062	100.0	2041	100.0	865	100.0	206	100.0	366	100.0
WEIGHT												
TOTAL UNDER 5 LBS. 8 OZ.	1228	8.4	866	7.8	250	12.3	55	6.4	27	13.1	30	8.2
2 lbs. 3 Oz. Or Less	81	0.5	52	0.5	25	1.2	-	-	2	1.0	2	0.5
2 lbs. 4 oz. - 3 lbs. 4 oz.	107	0.7	77	0.7	20	1.0	6	0.7	3	1.4	1	0.3
3 lbs. 5 oz. - 4 lbs. 6 oz.	244	1.7	163	1.4	65	3.2	11	1.3	4	2.0	1	0.3
4 lbs. 7 oz. - 5 lbs. 8 oz.	796	5.5	574	5.2	140	6.9	38	4.4	18	8.7	26	7.1
TOTAL OVER 5 LBS. 8 OZ.	13,286	91.4	10,179	92.0	1784	87.4	808	93.4	179	86.9	336	91.8
5 lbs. 9 oz. - 6 lbs. 9 oz.	2969	20.4	2074	18.7	533	26.1	202	23.4	58	28.1	102	27.9
6 lbs. 10 oz. - 7 lbs. 11 oz.	5890	40.5	4469	40.4	779	38.2	393	45.4	82	39.8	167	45.6
7 lbs. 12 oz. - 8 lbs. 13 oz.	3440	23.7	2786	25.2	393	19.3	173	20.0	35	17.0	53	14.5
8 lbs. 14 oz. - 9 lbs. 14 oz.	843	5.8	728	6.6	64	3.1	34	3.9	4	2.0	13	3.5
9 lbs. 15 oz. - And Over	144	1.0	122	1.1	15	0.7	6	0.7	-	-	1	0.3
WEIGHT NOT REPORTED	26	0.2	17	0.2	7	0.3	2	0.2	-	-	-	-

PREMATURE BIRTHS

By birth weight, 8.4% of the resident live births in San Francisco in 1955 were premature. By period of gestation, 6.4% were premature. Taking both factors into con.ideration, 10% were premature. Adding race as a factor, an even more significant picture emerges. Only 9% of the Chinese live births were premature compared to 13.8% of the Negro births and 13.6% of the Japanese. The figure for whites was 9.3%. In one-half of the 358 infant deaths, prematurity was mentioned as an underlying cause and of this group of 188 deaths, only two (2) children had lived more than a month. This group of infants and their mothers present a major public health problem.

PREMATURE BIRTHS* BY RACE COMPARED TO ALL BIRTHS

RACE	Total Live Births	Premature Births	Percent of Premature Births
TOTAL	14,540	1,458	10.0
WHITE	11,062	1,034	9.3
NEGRO	2,041	282	13.8
CHINESE	865	78	9.0
JAPANESE	206	28	13.6
OTHER	366	36	9.8

* In this table, premature births are those whose period of gestation was 36 weeks or under, and whose birth weight was 2500 grams or less.

PREMATURE BIRTHS* BY MONTH OF SEROLOGY AND BY COLOR SAN FRANCISCO, 1955

MONTH OF SEROLOGY	TOTAL	WHITE	NEGRO	CHINESE	JAPANESE	OTHER
TOTAL	1,458	1,034	282	78	28	36
1	14	11	2	-	-	1
2	149	123	13	5	4	4
3	437	340	46	30	12	9
4	287	215	43	16	7	6
5	153	98	36	11	2	6
6	135	66	57	9	1	2
7	107	70	31	3	1	2
8	109	62	42	1	1	3
9	39	29	6	2	-	2
POST-PARTUM	28	20	6	1	-	1

* Premature births according to weight and gestation.

PLACE OF BIRTH OF PREMATURE INFANTS* BY COLOR,
SAN FRANCISCO RESIDENTS 1955

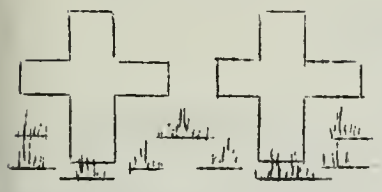
PLACE OF BIRTH	TOTAL	WHITE	NEGRO	CHINESE	JAPANESE	OTHER NON-WHITE
TOTAL	890	612	199	46	13	20
San Francisco Hospital	168	59	101	4	-	4
Children's Hospital	93	65	12	12	1	3
Mary's Help Hospital	83	79	-	1	3	-
Kaiser Foundation Hosp.	66	52	12	-	-	2
University of California	64	46	15	1	1	1
Stanford Hospital	58	34	18	2	3	1
Mary's Help Hospital	57	54	2	-	-	1
St. Joseph's Hospital	55	52	2	-	-	1
St. Francis Hospital	47	40	-	4	2	1
St. Luke's Hospital	45	39	5	-	-	1
Mt. Zion Hospital	42	30	9	-	1	2
Military Hospitals	41	28	9	-	2	2
Chinese Hospital	22	2	-	20	-	-
French Hospital	20	14	6	-	-	-
Own Home	15	6	6	2	-	1
Franklin Hospital	7	7	-	-	-	-
Emergency Hospitals	3	1	2	-	-	-
St. Elizabeth's Hosp.	2	2	-	-	-	-
Doctor's Hospital	1	1	-	-	-	-
Southern Pacific Hosp.	1	1	-	-	-	-

* Premature Infants in this table are those reported by the hospital.

INFANT MORTALITY FROM SELECTED CAUSES WITH MENTION OF PREMATURITY
SAN FRANCISCO - 1955

CAUSE OF DEATH	INT. CODE NO.	TOTAL	Neo-Natal Sub-Total	Under 24 Hrs.	1-6Das.	7-30Das.	1-11Mo
TOTAL		188	186	116	55	15	2
PRE-NATAL & NATAL CAUSES & DISEASES OF EARLY INFANCY WITH PREMATURITY		185	183	115	54	14	2
Injury at Birth	760.5						
	761.5	21	21	15	5	1	-
Atelectasis	762.5	66	66	38	25	3	-
Neo-Natal Disorders	769.5						
from Maternal Toxemia	769.9	4	4	2	2	-	-
Hemolytic Diseases	770.5	4	4	4	-	-	-
Hemorrhagic Diseases	771.5	1	1	-	1	-	-
Ill-Defined Diseases	773.5	13	12	5	3	4	1
Immaturity	774-776	76	75	51	18	6	1
INFECTIONS WITH PREMATURITY		3	3	1	1	1	-
Pneumonia of Newborn	763.5	3	3	1	1	1	-

INFANT DEATHS



In 1955 there were 358 resident deaths of children under one year. This represents 2.5% of all resident births, a rate of 24.6 per 1,000 live births. In 1954 there were 376 resident infant deaths or 2.5% of the children born during 1954 died the first year, a rate of 24.8 per 1,000 live births. The ratio of male over female infant deaths during 1955 was 1.3 to 1.

The highest infant mortality rate was among the Negroes with a rate of 35.8 per 1,000 live births. The Chinese infant mortality rate was 18.5 per 1,000 live births. The White infant mortality rate was 23.4 per 1,000 live births. These figures compare with the 1954 infant mortality rate: 39.3 per 1,000 live births for Negroes, 25.1 for Chinese, 22.4 for Whites. The total infant mortality rate for the city has dropped from 24.8 per 1,000 live births in 1954 to 24.6 in 1955.

Neonatal deaths accounted for 82.1% of all infant deaths compared with 78.2% in 1954. This is a rate of 20.2 per 1,000 live births, an increase of almost one neonatal death per 1,000 live births over 1954, and two over 1953 when the neonatal mortality rates were 19.4 and 18.5 respectively.

The largest single cause of infant mortality was atelectasis with 79 deaths or 22.1% of the total. Prematurity unqualified or with mention of subsidiary condition accounted for 76 deaths or 21.2% of the total, congenital malformations for 56 or 15.6% of the total.

There were 21 deaths or 5.9% of the total due to accidents in 1955 compared with 42 or 11.1% in 1954.

The highest rate of infant mortality occurred in the Hunter's Point district with 33.3 deaths per 1,000 live births, followed by Westside with 29.6, Central with 27.6, Eureka-Noe with 26.4 and Mission with 25.4 deaths per 1,000 live births.

INFANT DEATHS BY COLOR

	TOTAL	PERCENT	MALE	FEMALE
TOTAL	358	100.0	202	156
WHITE	259	72.3	149	110
NEGRO	73	20.4	36	37
CHINESE	16	4.5	10	6
JAPANESE	6	1.7	4	2
OTHER	4	1.1	3	1

AGE AT DEATH

	TOTAL	PERCENT	MALE	FEMALE
TOTAL	358	100.0	202	156
NEONATAL DEATHS	294	82.1	164	130
24 HOURS OR LESS	168	46.9	90	78
1 - 6 DAYS	91	25.4	50	41
7 - 30 DAYS	35	9.5	24	11
1 - 11 MONTHS	64	17.9	38	26

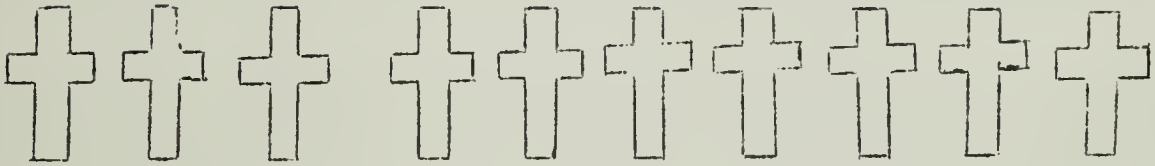
INFANT MORTALITY FROM SELECTED CAUSES BY AGE
SAN FRANCISCO 1955

CAUSE OF DEATH	INT. CODE NO.	TOTAL	Neo-Natal* Sub-Total	Under 24 Hrs.	1-6Das.	7-30Das.	1-11Mos.
TOTAL, ALL CAUSES		358	294	168	91	35	64
Pre-Natal & Natal Causes & Diseases of Early Infancy		286	262	157	81	24	24
Congenital Malformations	750-759	56	36	15	12	9	20
Injury at Birth	760-762	39	37	28	8	1	2
Atelectasis	762	79	79	45	30	4	-
Sepsis	768	1	1	-	1	-	-
Neonatal Disorders from Maternal Toxemia	769	4	4	2	2	-	-
Hemolytic Diseases	770	11	11	8	3	-	-
Hemorrhagic Diseases	771	3	3	1	2	-	-
Ill-Defined Diseases	772-773	17	16	7	5	4	1
Prematurity Unqualified or Subsidiary Condition	774-776	76	75	51	18	6	1
INFECTIONS		38	21	6	7	8	17
Pneumonia of Newborn	763	10	10	1	2	7	-
Oth. Pneumonia and Influenza	490-493	16	2	2	-	-	14
Oth. Diseases of Resp. System	500-527	10	8	3	5	-	2
Gastro-Enteritis & Colitis	571	1	-	-	-	-	1
Septicemia, Organism Unspecified	53.4	1	1	-	-	1	-
VIOLENT & ACCIDENTAL DEATHS		22	4	4	-	-	18
Motor Vehicle Accidents	812.4	1	1	1	-	-	-
Inhalation & Ingestion Food	921-922	3	1	1	-	-	2
Mechanical Suffocation (Bed or Cradle)	924	10	-	-	-	-	10
Other	904,926-936,983	8	2	2	-	-	6
ALL OTHER CAUSES		12	7	1	3	3	5
Brain Neoplasm	193	1	1	1	-	-	-
Anemia	296	1	-	-	-	-	1
Mongolism	325.4	1	1	-	1	-	-
Epilepsy	353.3	1	1	-	1	-	-
Endocarditis & Myocardial Degeneration	421,422	2	-	-	-	-	2
Upper Respiratory Infection Multiple or Unspecified	475	1	-	-	-	-	1
Diseases of Digestive System	541,578	2	1	-	1	-	1
Diseases of Gastro-Urinary System	633 600,603	3	3	-	-	3	-

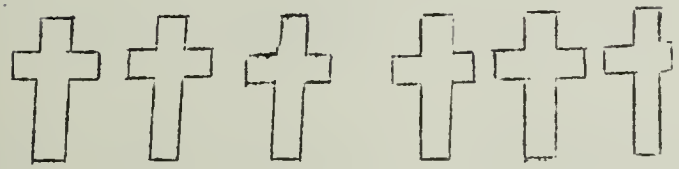
* Neo-Natal is the Sub-Total of the Numbers in Columns "Under 24 Hrs., 1-6 Days and 7-30 Days" or the number of children Under 30 Days of Age at time of death.

NEONATAL MORTALITY BY AGE AT DEATH

OF EVERY 100 NEONATAL DEATHS IN SAN FRANCISCO IN 1955



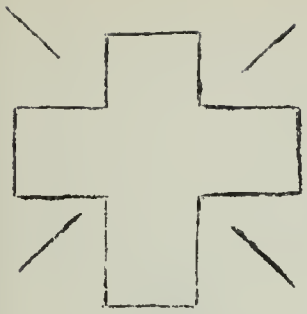
57 DIED WITHIN THE FIRST DAY



31 MORE DIED WITHIN 6 DAYS

AND 12 MORE DIED WITHIN 30 DAYS

IN 52% OF THESE DEATHS PREMATURITY WAS MENTIONED AS A CAUSAL FACTOR.



FETAL DEATHS

During 1955 the total number of fetal deaths for San Francisco was 213, an increase from 14.4 per 1,000 live births in both 1953 and 1954 to 14.6 in 1955. Males accounted for 105 or 49.3% of all fetal deaths; females for 108 or 50.7%. Sex was not an important factor in fetal deaths since the number of males was practically equal to the number of females.

However there was a distinct difference in the rate in the color groups. Negroes had a fetal death rate of 25.0, whites 13.8, and Chinese 6.9 per 1,000 live births. The comparatively high rate of Negro fetal deaths and the low rate among the Chinese reflect a difference in cultural as well as financial background.

In some of the following tables it was not possible to deduct the non-resident fetal deaths; some data, therefore, include all 280 fetal deaths and others only the 213 resident stillbirths. Of the 280 fetal deaths, 58.2% showed complications of pregnancy and 30.7% complications of labor. Examining fetal deaths by period of gestation, 54.3% occurred under 36 weeks, compared with 62.2% in 1954 and 52.9% in 1953. Using the weight criterion for prematurity, 58.6% of the fetal deaths were premature compared with 61.2% in 1954 and 56.1% in 1953.

The highest rate of stillborn infants appear to be of parents in the North-East, Westside, Hunter's Point and Central Health Districts of the city. Figures for South of Market Health District are high percentagewise, but too small numerically to be valuable for comparative purposes.

An interesting factor is the birth mortality index, a figure obtained by adding the stillbirth and neonatal rates. We feel that if proper maternal-child care is exercised during the prenatal and neonatal periods, an infant has a very good chance of survival. The Westside and Hunter's Point districts have the highest birth mortality indices in the city with 42.5 and 41.8 deaths respectively per 1,000 live births. On the other hand, the Alemany and Marina-Richmond districts are low with 28.2 and 30.5 deaths respectively per 1,000 live births.

FETAL DEATHS IN SAN FRANCISCO IN 1955

Color	Total	Residents	Resident Fetal Death Rate
Total	280	213	14.6
White	214	153	13.8
Negro	54	51	25.0
Chinese	6	6	6.9
Japanese	2	0	-
Other	4	3	8.2

FETAL DEATHS BY NUMBER OF BIRTHS

	TOTAL	SINGLE	TWIN
TOTAL	280	267	13
WHITE	214	203	11
NEGRO	54	53	1
CHINESE	6	5	1
JAPANESE	2	2	-
OTHER	4	4	-

ALL STILLBIRTHS (FETAL DEATHS) BY PLACE OF BIRTH, BY COLOR SAN FRANCISCO 1955

	TOTAL	PERCENT	WHITE	NEGRO	CHINESE	JAPANESE	OTHER
TOTAL	280	100.0	214	54	6	2	4
Stanford Hospital	29	10.4	22	5	-	1	1
Children's Hospital	28	10.0	23	2	3	-	-
San Francisco Hospital	28	10.0	8	20	-	-	-
Kaiser Foundation Hosp.	23	8.2	15	6	-	-	2
St. Mary's Hospital	20	7.1	20	-	-	-	-
French Hospital	19	6.8	12	6	1	-	-
Military Hospitals	19	6.8	15	4	-	-	-
St. Joseph's Hospital	17	6.1	17	-	-	-	-
St. Francis Hospital	16	5.7	15	-	-	1	-
Mary's Help Hospital	16	5.7	15	-	-	-	1
Mt. Zion Hospital	13	4.6	12	1	-	-	-
St. Luke's Hospital	12	4.3	10	2	-	-	-
U. C. Hospitals	11	3.9	7	4	-	-	-
Franklin Hospital	7	2.5	7	-	-	-	-
Home	4	1.4	1	3	-	-	-
St. Elizabeth's Hospital	3	1.1	3	-	-	-	-
Chinese Hospital	2	0.7	-	-	2	-	-
Doctor's Hospital	1	0.4	1	-	-	-	-
En Route	1	0.4	1	-	-	-	-
Out of Town	11	3.9	10	1	-	-	-

ALL STILLBIRTHS (FETAL DEATHS)
BY PERIOD OF GESTATION AND RACE - 1955

GESTATION PERIOD	TOTAL	WHITE	NEGRO	CHINESE	JAPANESE	OTHER
TOTAL	280	214	54	6	2	4
20 Weeks or Less (Non-Viable)	2	2	-	-	-	-
20 - 27 Weeks	51	41	9	1	-	-
28 - 31 Weeks	36	24	11	1	-	-
32 - 35 Weeks	41	34	4	1	1	1
36 Weeks	22	15	7	-	-	-
37 - 39 Weeks	34	25	7	1	1	-
40 Weeks	84	66	14	1	-	3
41 - 42 Weeks	7	5	1	1	-	-
Over 42 Weeks	3	2	1	-	-	-

STILLBIRTHS (FETAL DEATHS) BY WEIGHT AND RACE

WEIGHT	TOTAL	WHITE	NEGRO	CHINESE	JAPANESE	OTHER
TOTAL	280	214	54	6	2	4
2 lbs. 3 oz. or less	56	43	11	2	-	-
2 lbs. 4 oz. - 3 lbs. 4 oz.	48	36	10	-	1	1
3 lbs. 5 oz. - 4 lbs. 6 oz.	31	25	6	-	-	-
4 lbs. 7 oz. - 5 lbs. 8 oz.	29	23	5	1	-	-
5 lbs. 9 oz. - 6 lbs. 9 oz.	42	32	7	1	-	2
6 lbs.10 oz. - 7 lbs.11 oz.	28	16	8	2	1	1
7 lbs.12 oz. - 8 lbs.13 oz.	20	14	6	-	-	-
8 lbs.14 oz. - 9 lbs.14 oz.	7	6	1	-	-	-
9 lbs.15 oz. or more	3	3	-	-	-	-
Not Stated	16	16	-	-	-	-

REPORTABLE DISEASES

San Francisco's experience with communicable diseases was quite favorable; the diseases for which specific preventive measures are now available showed a gratifyingly low occurrence.

Poliomyelitis reached a notably low incidence in 1955 although immunization was not a factor; the 34 cases reported were less than one-fourth of the 149 cases reported for 1954. Immunization was resumed in December 1955 and it is highly probable that the disease is on a downward trend.

From June 1954 through May 1955, a study was undertaken in the field of home accidents. Since a great number of accident cases are treated in our Emergency Hospitals, it was thought that a spot check made of these cases would serve as an index for the general situation throughout the city. Consequently an epidemiological approach was made to ascertain the nature of each accident, the situation and circumstances surrounding the accident and the provocation cause in producing it. A personal interview was made on all such patients and the results tabulated. Later, private physicians practicing in our city reported on accident cases seen by them during a two weeks' period. All of this data is now being analyzed and studied, and will, we believe, bring forth some interesting conclusions. We believe a Home Accident Prevention Program will be definitely productive in the prevention of accidents and home disasters.

CASES AND DEATHS FROM REPORTABLE DISEASES
CITY AND COUNTY OF SAN FRANCISCO - 1954 & 1955

	INTERNATIONAL CODE NO.	1955 CASES	1955 RATE*	1955 RESIDENT DEATHS	1954 CASES	1954 RATE*	1954 RESIDENT DEATHS
TOTAL		10,856	1365.7	406	12,766	1599.1	444
Brucellosis	044	-	-	-	2	0.2	-
Chickenpox	087	2434	306.2	-	2688	336.7	-
Diarrhea of Newborn	764	-	-	-	-	-	1
Diphtheria	055	1	0.1	-	6	0.7	-
Dysentery, Amoebic	046	7	0.9	-	4	0.5	-
Dysentery, Bacillary	045	45	5.7	-	68	8.5	-
Encephalitis, All Forms	082-83-89	11	1.4	-	13	1.6	2
Epilepsy	353	84	10.6	6	54	6.8	3
Food Poisoning	049.2	-	-	-	11	1.4	-
German Measles	038	438	55.1	-	469	58.7	-
Hepatitis, Infectious	092	40	5.0	3	57	7.1	3
Influenza	480-483	21	2.6	3	18	2.2	2
Measles	085	2849	358.4	-	4269	534.8	-
Meningitis, Meningococcal or Meningococcemia	057	17	2.1	-	14	1.8	4
Meningitis, Non-Meningococcal	-	9	1.1	-	-	-	-
Mumps	089	1368	172.1	-	1331	166.7	-
Pertussis	056	73	9.2	-	105	13.2	1
Pneumonia	490-493	529	66.6	226	320	40.1	235
Poliomyelitis, Acute Anterior	080-081	34*	4.3	2	149	18.7	5
Psittacosis	096.2	3	0.4	-	7	0.9	-
Rheumatic Fever	400-402	20	2.5	4	30	3.8	9
Salmonellosis	042	117	14.7	-	49	6.1	-
Scarlet Fever	050	236	29.7	-	308	38.6	-
Strep Sore Throat	051	96	12.1	-	61	7.6	-
Trichinosis	128	-	-	-	11	1.4	-
Tuberculosis, Pulm.	001-003 005-008	570	71.1	107	(		
Tuberculosis, Primary	004	67	8.4	-	(785	98.3	131
Tuberculosis, Other	010-019	38	4.8	9	(		
Typhoid Fever	040	5	0.6	-	3	0.4	-
Typhoid Carrier	-	1	0.1	-	2	0.2	-
Chancroid	036	22	2.8	-	30	3.8	-
Gonococcus Infection	030-035	1363	171.5	-	1532	191.9	-
Syphilis, All Forms	020-029	350	44.0	46	347	43.5	48
Other V.D.	037-039	8	1.0	-	23	2.9	-

Cases and Deaths corrected for residence and for changes in diagnosis reported in 1956
* Rates per 100,000 population.

POLIOMYELITIS, CASES*, DEATHS AND RATES
SAN FRANCISCO -1930-1955

YEAR	LOCAL CASES	CASE RATE**	LOCAL DEATHS	CASE FATALITY RATE***	Resident & Non-Resident Deat TOTAL	MALE	FEMALE
1930	230	36.3	21	9.1	27	14	13
1931	35	5.5	7	20.0	11	3	8
1932	18	2.8	3	16.7	6	1	5
1933	6	0.9	3	50.0	3	1	2
1934	122	19.2	10	8.2	15	8	7
1935	16	2.5	-	-	1	-	1
1936	12	1.9	-	-	3	2	1
1937	24	3.8	3	12.5	5	5	-
1938	3	0.5	1	33.3	1	-	1
1939	33	5.2	2	6.1	3	3	-
1940	9	1.4	-	-	2	2	-
1941	5	0.7	-	-	-	-	-
1942	6	0.8	1	16.6	1	1	-
1943	142	18.9	2	1.4	13	6	7
1944	38	4.8	1	2.6	4	2	2
1945	90	10.9	4	4.4	11	6	5
1946	52	6.4	6	11.5	9	4	5
1947	23	2.9	3	13.0	4	3	1
1948	288	36.2	24	8.3	49	31	18
1949	139	17.7	9	6.5	21	10	11
1950	64	8.3	6	9.4	17	7	10
1951	84	10.8	6	6.1	27	18	9
1952	234	29.6	15	6.4	22	13	9
1953	110	13.8	10	9.1	17	11	6
1954	146	18.3	6	4.1	18	12	6
1955	35	4.4	2	5.7	5	3	2

* Cases by date of Onset
** Case Rate per 100,000 population
*** Fatality Rate, Deaths per 100 cases.

POLIOMYELITIS CASES BY AGE GROUP
SAN FRANCISCO 1950-1955

AGE GROUPS	1950 CASES	1950 % in Group	1951 CASES	1951 % in Group	1952 CASES	1952 % in Group	1953 CASES	1953 % in Group	1954 CASES	1954 % in Group	1955 CASES	1955 % in Group
TOTAL	64	-	84	-	234	-	110	-	146	-	35	-
UND. 1 Yr.	1	1.6	3	3.6	13	5.6	1	0.9	3	2.1	-	-
1 - 4	15	23.4	17	20.2	69	29.4	23	20.9	24	16.4	7	20.0
5 - 9	17	26.6	20	23.8	55	23.5	25	22.7	39	26.7	8	22.8
10 - 14	12	18.7	10	11.9	17	7.3	11	10.0	18	12.3	7	20.0
15 - 19	3	4.7	5	5.9	13	5.6	4	3.6	11	7.5	1	2.8
20 - 24	4	6.2	11	13.1	16	6.8	15	13.6	10	6.9	3	8.6
25 - 29	6	9.4	11	13.1	24	10.3	17	15.5	21	14.4	3	8.6
30 - 34	3	4.7	4	4.8	13	5.6	5	4.6	13	8.9	1	2.8
35 - 39	3	4.7	2	2.4	11	4.7	7	6.4	4	2.7	3	8.6
40 - 44	-	-	1	1.2	2	0.8	2	1.8	1	0.7	2	5.8
45 - 49	-	-	-	-	1	0.4	-	-	-	-	-	-
50 & Over	-	-	-	-	-	-	-	-	2	1.4	-	-

POLIOMYELITIS CASES IN SAN FRANCISCO
BY MONTH OF ONSET
CALENDAR YEAR 1935-1955
SAN FRANCISCO - LOCAL

YEAR	TOTAL	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1935	17	1	3	1	-	1	-	2	2	-	6	-	1
1936	11	1	-	-	1	-	1	1	1	3	1	2	-
1937	24	-	-	1	3	1	1	2	3	7	4	2	-
1938	4	-	-	-	-	-	-	-	2	-	-	1	1
1939	32	-	-	-	-	-	-	2	5	9	13	2	1
1940	9	-	-	-	-	-	2	1	3	3	-	-	-
1941	6	-	-	-	-	-	2	1	-	1	1	1	-
1942	6	-	-	-	-	1	-	-	-	-	1	3	1
1943	144	-	1	-	1	7	10	18	28	23	32	23	1
1944	36	6	3	4	-	2	-	2	4	2	7	4	2
1945	89	2	-	-	3	2	3	12	8	19	21	17	2
1946	53	3	4	3	-	2	4	4	10	13	3	2	5
1947	23	2	3	-	2	2	3	4	1	5	-	1	-
1948	299	-	-	4	1	3	5	29	24	41	83	60	49
1949	127	16	4	-	1	1	1	9	12	16	42	18	7
1950	60	2	2	4	4	1	1	2	11	9	10	9	5
1951	85	6	2	-	-	3	4	3	9	18	17	14	9
1952	243	2	1	4	3	7	3	8	29	33	77	49	27
1953	110	14	3	4	-	6	6	8	12	19	11	10	17
1954	146	5	2	4	2	4	5	17	25	35	34	10	3
1955	35	2	1	-	2	1	2	3	2	6	6	3	7

TUBERCULOSIS

During 1955 there were 675 new cases of tuberculosis reported in San Francisco, and 116 deaths due to tuberculosis. Since 1920 there has been a decreasing incidence in tuberculosis morbidity and a mortality at the local level, which is the result of improved public health practices in case finding and isolation of individuals with active disease. In 1920 there were 1,411 newly recorded cases of tuberculosis, with a case rate of 278.5 per 100,000, which by 1947 had decreased to 1,084 new reported cases or a case rate of 134.4 per 100,000. The number of deaths from tuberculosis in 1920 was 670, or a death rate of 132.2 per 100,000 population which decreased to 350 deaths in 1947 or a death rate of 43.3 per 100,000 population. The incidence of newly reported cases has continued to decline until 1955 when the case rate was 84.9 per 100,000 with a death rate of 14.6 per 100,000.

These figures conform fairly well to the statistics for the United States as a whole. In 1945 there were approximately 60,000 deaths due to tuberculosis whereas in 1954 there were approximately 15,000 deaths due to tuberculosis in the United States. However, the national morbidity or the case rate has remained fairly constant over this same period of time.

It is interesting to note that the average age at death from tuberculosis was 49.0 years in 1947 and 56.2 years in 1955. The average age at death in males was 51.6 years in 1947 and 57.4 in 1955; whereas in females it was 40.4 years in 1947 and 51.2 years in 1955. This would seem to indicate that tuberculosis is becoming more of a disease of older age groups; that since the introduction of antimicrobial therapy the life expectancy of the tuberculous patient has been increased by approximately 6 years in the male and 11 years in the female. These figures also result from the fact that new disease, discovered early and placed under treatment, will respond readily to the newer therapeutic agents. Thus, in our younger patients we have had more satisfactory results. Much of the disease in our older persons has not been discovered until it has become advanced, or was not discovered until close to the time of death.

Of the 166 deaths in 1955 in which tuberculosis was the coded cause of death (116 cases) or a contributing factor (50 cases), 74 or 44.7% were reported as having tuberculosis only at or after death.

Fifty-nine percent of all the newly reported cases of tuberculosis were located in the North-East, Central, Westside and South of Market Health Districts. There were 115 cases in North-East (17%), 150 cases in Central and Westside, (22%) and 135 cases (20%) in the South of Market Health District. The latter includes the small area known as "Skid Row" which forms one of the larger reservoirs of tuberculous infection within the city. When case rates of these various areas are compared, their significance becomes more apparent: North-East with a case rate of 108.1 per 100,000 population, Central with 108.6, Westside with 126.2 and South of Market with a case rate of 467.1 per 100,000 population. Concentrated efforts to find and isolate all active cases of pulmonary tuberculosis within South of Market Health District is necessary and an organized plan for so doing is in operation.

NEWLY REPORTED CASES & TUBERCULOSIS DEATHS OCCURRING IN SAN FRANCISCO, 1920 - 1955

YEAR	POPULATION	NEWLY REPORTED CASES		DEATHS		NEWLY REPORTED CASES PER DEATH
		NUMBER	RATE	NUMBER	RATE	
1920	506,676*	1411	278.5	670	132.2	2.1
1921	525,777	1347	256.2	638	121.3	2.1
1922	538,512	1409	261.6	637	118.3	2.2
1923	551,247	1230	223.1	666	120.8	1.8
1924	563,982	1223	216.9	661	117.2	1.8
1925	576,717	1179	204.4	644	111.7	1.8
1926	589,452	1032	175.1	611	103.7	1.7
1927	602,187	1101	182.8	593	98.5	1.8
1928	614,911	1143	185.9	634	101.1	1.8
1929	627,657	1456	232.0	621	98.9	2.3
1930	634,394*	1309	206.3	561	88.4	2.3
1931	634,412	1317	207.6	563	88.7	2.3
1932	634,426	1199	189.0	533	84.0	2.2
1933	634,441	1026	161.7	471	74.2	2.2
1934	634,455	865	136.3	453	71.4	1.9
1935	634,469	936	147.5	454	71.6	2.1
1936	634,484	893	140.7	461	72.7	1.9
1937	634,498	1171	184.6	460	72.5	2.5
1938	634,512	1012	159.5	396	62.4	2.6
1939	634,525	827	130.3	424	66.8	2.0
1940	634,536*	945	148.9	420	66.2	2.2
1941	673,209	869	129.1	439	65.1	2.0
1942	711,682	959	134.8	381	53.5	2.5
1943	750,255	837	111.6	363	48.4	2.3
1944	788,828	1033	131.0	430	54.5	2.4
1945	827,400*	851	102.9	470	56.8	1.8
1946	817,400	907	111.0	397	48.6	2.3
1947	806,600	1084	134.4	350	43.4	3.1
1948	796,200	976	122.6	333	41.8	2.9
1949	785,800	1002	127.5	301	38.3	3.3
1950	775,357*	869	112.1	215	27.7	4.0
1951	776,200	813	104.7	180	23.2	4.5
1952	791,500	858	108.4	214	27.0	4.0
1953	795,900	707	88.8	144	18.1	4.9
1954	798,300	785	98.3	131	16.4	6.0
1955	794,900	675	84.9	116	14.6	5.8

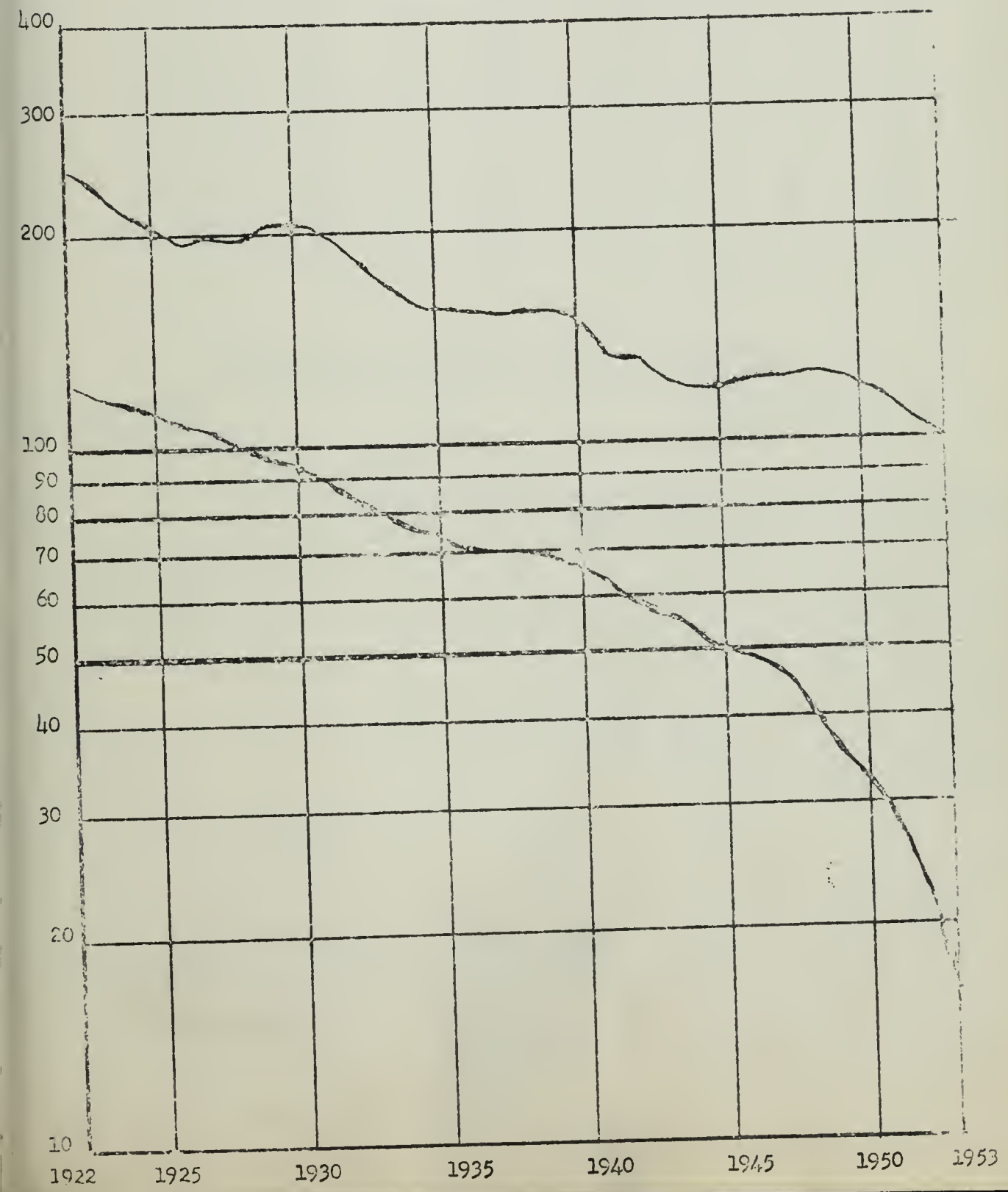
* Census, U.S.

† Estimated Population as of July 1, 1951-55 Revised, Div. Budgets & Accounts, Dept. Finance., California State.

TRENDS IN TUBERCULOSIS MORBIDITY AND MORTALITY:

SAN FRANCISCO, 1920 - 1955

(5-year running averages of newly reported cases and deaths)



NEWLY REPORTED CASES OF RESPIRATORY TUBERCULOSIS
BY RATE & PERCENTAGE OF CASES IN EACH STAGE OF DISEASE
1945 -- 1955

YEAR	COLOR								
	WHITE			NEGRO			CHINESE		
	Minimal	Moderate	Far Adv.	Minimal	Moderate	Far Adv.	Minimal	Moderate	Far Adv.
1945	27	30	43	36	23	41	50	29	21
1946	25	34	41	22	44	34	34	41	25
1947	24	42	34	34	29	37	33	43	24
1948	21	36	43	23	39	38	36	28	36
1949	15	38	47	16	44	40	18	40	42
1950	19	40	41	22	36	42	33	40	27
1951	22	39	39	32	45	23	38	47	15
1952	20	37	43	27	36	37	32	38	30
1953	22	40	38	19	47	34	29	40	31
1954	19	43	38	22	35	43	33	38	29
1955	20	43	37	23	35	42	51	13	36

INTERVAL BETWEEN REPORTING OF DISEASE AND DEATH

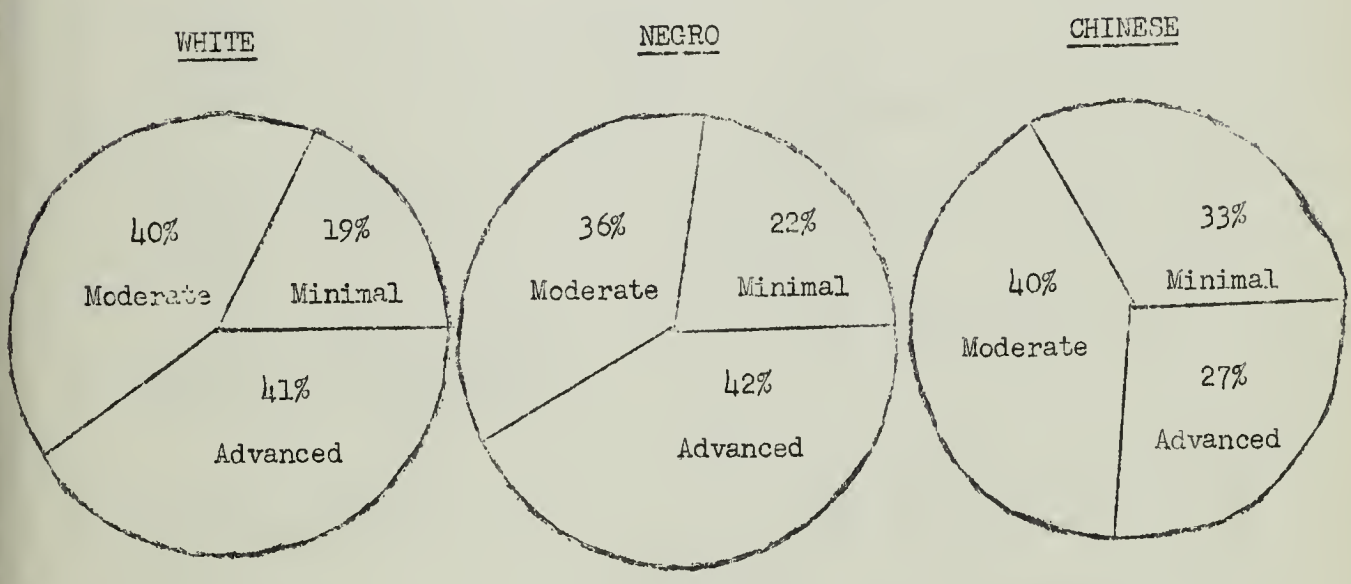
INTERVAL BETWEEN REPORTING & DEATH	1955		PREVIOUS YEARS PERCENT OF TOTAL					
	Number of Deaths*	Percent of Total	1954	1953	1952	1951	1950	1949
TOTAL	166	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 6 Months	11	6.6	4.0	9.1	9.3	13.8	16.9	14.2
6 - 11 Months	7	4.2	2.5	4.2	2.8	10.1	10.6	9.1
12 - 17 Months	5	3.0	0.5	4.2	7.9	3.8	6.9	4.4
18 - 23 Months	4	2.4	2.0	5.6	5.6	8.2	2.6	4.4
2 Years	9	5.4	5.0	8.4	9.3	4.4	3.7	1.8
3 Years	14	8.4	2.5	7.7	6.1	3.1	3.2	2.2
4 Years	10	6.0	2.5	6.3	4.2	4.4	3.2	3.6
5 - 9 Years	25	15.1	8.5	10.5	11.2	4.4	5.8	7.7
10 - 14 Years	7	42	-	4.2	4.2	1.9	1.1	-
15 Years & Over	-	-	-	-	-	0.6	0.5	0.8
Reported at or After Deaths or by Death Certificate Only	74	44.7	72.5	39.8	39.4	45.3	45.5	51.8

* This figure includes 116 deaths assigned to tuberculosis and 50 deaths in which tuberculosis was a contributory factor but not the underlying cause of death. Assignments of the 50 deaths are included in

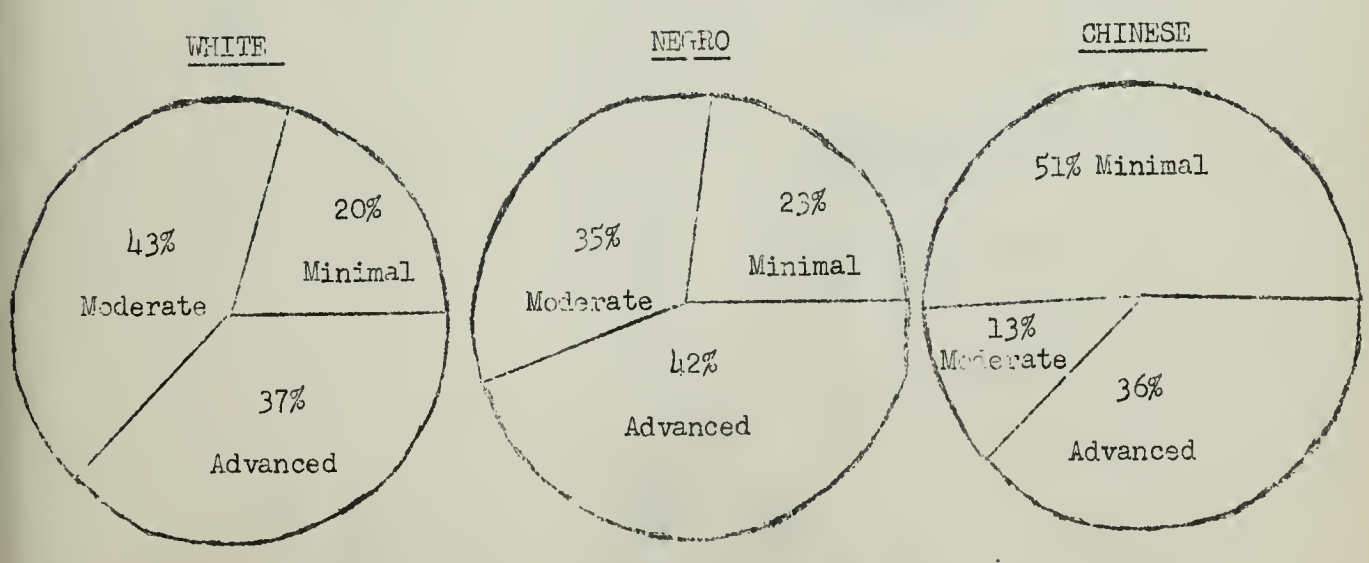
CASES OF PULMONARY TUBERCULOSIS BY STAGE OF DISEASE

1950 and 1955

1950



1955



RESIDENT TUBERCULOSIS CASES REPORTED DURING 1955, DEATHS & RATES

		TYPE			DEATHS			
	TOTAL CASES	PULMONARY	OTHER	CASE RATES*	TOTAL DEATHS	PULMONARY	OTHER	DEATH RATES*
TOTAL	675	637	38	84.9	116	107	9	14.6
WHITE	490	466	24	67.5	102	93	9	14.5
NEGRO	106	96	10	220.8	6	6	-	1.3
CHINESE	59	57	2	196.7	6	6	-	2.0
JAPANESE	14	13	1	200.0	2	2	-	2.9
OTHER	6	5	1	285.7 (Includes Filipino)	-	-	-	-

* Rates per 100, estimated population.

NOTE: The above cases include re-reported Pulmonary cases in accordance with the policy of Reporting Active Cases again after a lapse of 10 years.

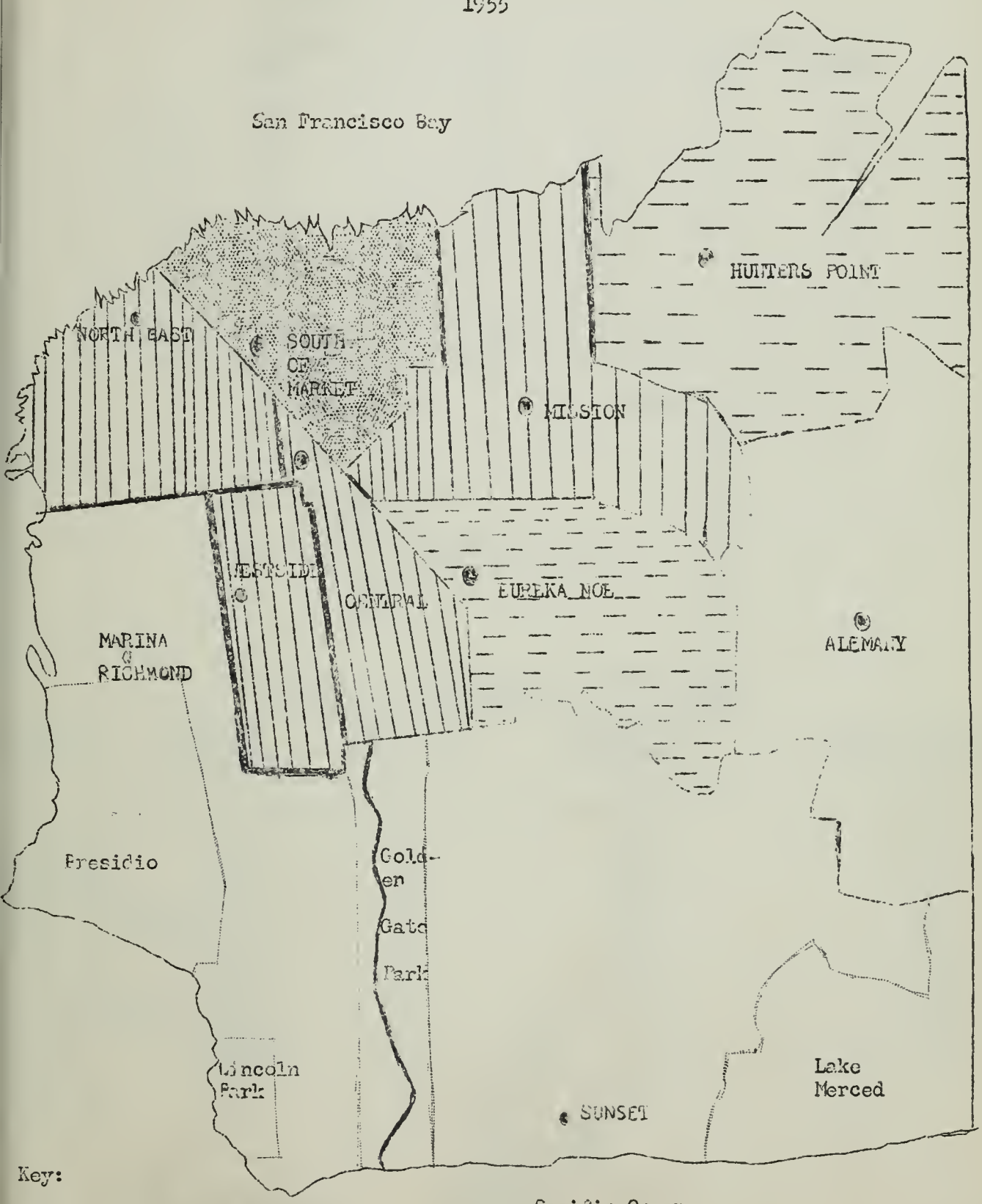
NEW CASES OF TUBERCULOSIS BY TYPE, RACE & SEX

	ALL CASES			PULMONARY			PRIMARY			OTHER		
COLOR	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	675	478	197	570	430	140	67	31	36	38	17	21
WHITE	474	346	128	427	327	100	26	10	16	21	9	12
NEGRO	106	65	41	65	43	22	31	17	14	10	5	5
MEXICAN	2	2	-	2	2	-	-	-	-	-	-	-
CHINESE	59	41	18	49	37	12	8	3	5	2	1	1
FILIPINO	16	15	1	13	13	-	-	-	-	3	2	1
JAPANESE	14	7	7	12	6	6	1	1	-	1	-	1
AMERICAN INDIAN	1	-	1	-	-	-	-	-	-	1	-	1
OTHER	3	2	1	2	2	-	1	-	1	-	-	-

NEW CASES OF TUBERCULOSIS BY HEALTH DISTRICTS

SAN FRANCISCO RESIDENTS

1955



Key:

Cases Per 100, 000 Population

0 - 50 Cases

51 -100 Cases

101 - 150 Cases

Over 150 Cases

AVERAGE AGE AT DEATH FROM TUBERCULOSIS
SAN FRANCISCO, 1947, 1953, 1954, 1955.

	PULMONARY TUBERCULOSIS			OTHER TUBERCULOSIS		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
1947	49.0	51.6	40.4	39.8	45.7	27.3
1953	57.5	58.1	52.1	51.2	39.0	57.2
1954	57.0	59.6	43.5	42.2	44.2	34.8
1955	56.2	57.4	51.2	64.2	61.1	31.6

PERSONS WITH TUBERCULOSIS WHOSE DEATH WAS ASSIGNED TO OTHER CAUSES
1955

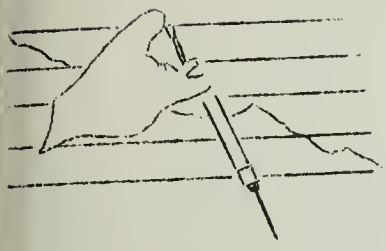
CAUSE OF DEATH	NUMBER OF DEATHS
TOTAL	50
Heart Diseases	16
Cancer	13
Cirrhosis of Liver	3
Ulcer of Stomach & Duodenum	2
Accidents	2
Other	14

NEW CASES OF TUBERCULOSIS BY HEALTH DISTRICT
SAN FRANCISCO RESIDENTS 1955

HEALTH DISTRICT	Estimated Population	Number of TBC Cases	Percent of TBC Cases	Rates per Hundred Thousand
TOTAL	794,900	675	100.0	84.9
NORTH-EAST	106,400	115	17.1	108.1
CENTRAL	65,400	71	10.5	108.6
WESTSIDE	62,600	79	11.7	126.2
MARINA RICHMOND	128,000	51	7.6	39.8
SOUTH OF MARKET	28,900	135	20.0	467.1
MISSION	71,900	73	10.8	101.5
EUREKA-NOE	73,200	38	5.6	51.9
HUNTER'S POINT	61,300	39	5.8	63.6
ALEMANY	74,300	36	5.3	48.5
SUNSET	122,900	36	5.3	29.3
UNKNOWN	-	2	0.3	

PERCENTAGE OF CASES BY AGE GROUP AND COLOR
SAN FRANCISCO - 1955

AGE GROUP	TOTAL	TOTAL PERCENT	White		Negro		Chinese		Filipino		Japanese		Other	
			Tot.	%	Tot.	%	Tot.	%	Tot.	%	Tot.	%	Tot.	%
TOTAL	675	100.0	476	70.5	106	15.7	59	8.7	16	2.4	14	2.1	4	.06
1 - 4	36	100.0	19	52.7	13	36.1	2	5.6	0	-	1	2.8	1	2.8
5 - 9	26	100.0	10	38.5	12	46.2	3	11.5	0	-	1	3.8	-	-
10 - 14	17	100.0	5	29.4	8	47.1	3	17.6	1	5.9	-	-	-	-
15 - 19	21	100.0	11	52.4	4	19.0	5	23.8	1	4.8	-	-	-	-
20 - 24	41	100.0	24	58.5	9	22.0	4	9.8	2	4.9	1	2.4	1	2.4
25 - 29	49	100.0	31	63.4	8	16.3	6	12.2	-	0	3	6.1	1	2.0
30 - 34	55	100.0	28	50.9	18	32.7	5	9.1	1	1.8	3	5.5	-	-
35 - 39	55	100.0	41	74.6	7	12.7	4	7.3	2	3.6	1	1.8	-	-
40 - 44	56	100.0	36	64.2	8	14.3	9	16.1	1	1.8	1	1.8	1	1.8
45 - 49	62	100.0	49	79.0	7	11.3	3	4.8	3	4.8	-	-	-	-
50 - 54	68	100.0	58	85.4	6	8.8	2	2.9	2	2.9	-	-	-	-
55 - 59	54	100.0	48	89.0	1	1.8	3	5.6	1	1.8	1	1.8	-	-
60 - 64	50	100.0	41	82.0	2	4.0	5	10.0	2	4.0	-	-	-	-
65 - 69	29	100.0	28	96.6	-	-	1	3.4	-	-	-	-	-	-
70 & Over	56	100.0	47	83.9	3	5.4	4	7.1	-	-	2	3.6	-	-



VENEREAL DISEASES

This statistical report compares the 1955 figure of total cases of venereal diseases with a five-year median, 1950-1954. While we can take some comfort in the great drop in cases, it should be pointed out that the degree of yearly decline has become increasingly smaller, with only a relatively slight decrease between 1954 and 1955 (1942 to 1763 cases , respectively.) This leveling off of the decline in reported cases seems to be the general experience in the country, with an upward trend developing in many areas in the past year. The first six months of 1956 in San Francisco also shows a stop in the decline, with an increase in total reported cases.

The non-white population in 1955, while numerically accounting for 11.6 percent of the total population, produced 49.3 percent of the total cases of venereal disease, continuing the pattern of previous years of concentrating the disease in this group. However, in 1954, while representing only 10.5 of the population, they produced 55.4 percent of the cases, a possible reflection of an increased rate in the white population, or a decrease in the non-white in 1955. Sex and age rates appear about the same.

While not reflected in the statistics of disease, it may be worthwhile to point out components of the Venereal Disease Control program which have some effect upon the health picture:

a) The epidemiologic section interviewed 793 cases of gonorrhea in the male, producing 921 contacts; 740 were examined, and 318 diagnosed as having gonorrhea, and treated. In early syphilis, 105 cases produced 538 contacts, among whom 96 previously undiagnosed cases of syphilis were uncovered and treated. The nature of the diseases are such that we could expect that these previously undiscovered cases, if not treated, would have infected many others in the community before the normal course of events would have brought these people under medical supervision. Similarly, the diseases were cured relatively early in their course, and so debilitating complications were prevented.

b) The Psychiatric Service saw 690 people, accounting for 1,154 patient visits. The huge majority of the people seen are those with a venereal disease and problems of sexual adjustment. While difficult to measure, a modification of the sexual pattern of these people with a reduction in promiscuity contributes to a lower venereal disease attack rate in the group.

It was thought that with the closing of the Separate Women's Court, the Department of Public Health would have an opportunity to conduct a genuine venereal disease control program among the jail inmates, as long as it was transferring the limited program of the Separate Women's Court to the main jail. However, the physical layout makes such a program impossible. It is our hope that the new jail will be so arranged as to permit such a program.

REPORTED CIVILIAN CASES OF VENEREAL DISEASE BY STAGE & SEX IN 1955 & 5-YEAR MEDIAN 1950-1954

CITY AND COUNTY OF SAN FRANCISCO

	Cases Reported in 1955	Total MALE	Total FEMALE	5-Year Median 1950-1954
VENEREAL DISEASE, TOTAL	1763	1245	518	2766
SYPHILIS, TOTAL	350	243	107	794
Primary	41	41	-	31
Secondary	26	24	2	22
Early Latent	69	43	26	124
Late and Late Latent	150	91	59	614
Congenital	3	-	3	15
Other Infectious Relapse C.N.S., etc.	58	41	17	-
Stage Undetermined	3	3	-	-
GONORRHEA, TOTAL	1383	977	406	1773
OTHER TYPES, TOTAL	30	25	5	199
Chancroid	22	18	4	141
Granuloma Inguinale	1	1	-	2
Lymphopathia Venereum	7	6	1	33

REPORTED CIVILIAN CASES OF VENEREAL DISEASES BY AGE GROUP AND DISEASE AND STAGE IN 1955

	TOTAL	Und. 5yrs	5-14	15-19	20-24	25-34	35-44	45 & Over
VENEREAL DISEASE, TOTAL	1763	3	14	127	471	733	236	179
SYPHILIS, TOTAL	350	2	0	10	42	107	70	119
Primary	41	-	-	-	12	18	9	2
Secondary	26	-	-	1	3	16	6	-
Early Latent	69	-	-	4	16	34	10	5
Late Latent and Late	150	-	-	1	7	28	35	79
Congenital	3	2	-	-	1	-	-	-
Other (Infectious Relapse, Etc.)	58	-	-	3	3	10	10	32
Stage, Undetermined	3	-	-	1	-	1	-	1
GONORRHEA, TOTAL	1383	1	14	116	425	610	160	57
Acute, Uncomplicated	1363	1	14	115	415	607	155	56
Epidemiological	20	-	-	1	10	3	5	1
CHANCROID	22	-	-	1	4	10	4	3
GRANULOMA INGUINALE	1	-	-	-	-	1	-	-
LYMPHOPATHIA VENEREUM	7	-	-	-	-	5	2	-

REPORTED CIVILIAN CASES OF VENEREAL DISEASE IN 1955
BY STAGE OF DISEASE AND BY COLOR
CITY AND COUNTY OF SAN FRANCISCO

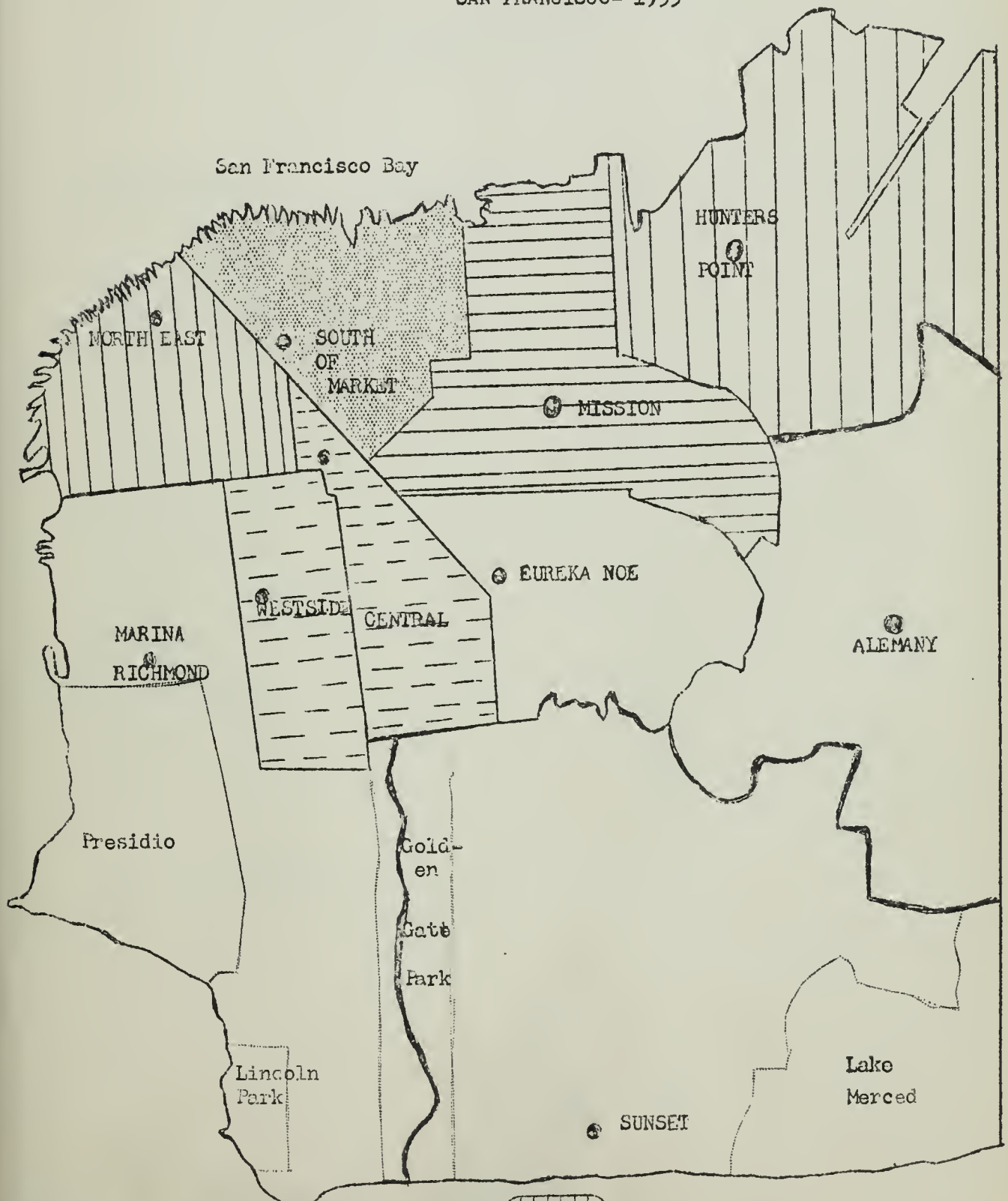
	TOTAL		WHITE		NEGRO		OTHER NON-WHITE	
	Venereal Disease	Percent of Disease	No. of Cases	Percent of Cases	No. of Cases	Percent of Cases	No. of Cases	Percent of Cases
VENEREAL DISEASE, TOTAL	1763	100.0	894	50.7	844	47.9	25	1.4
SYPHILIS, TOTAL	350	100.0	211	60.3	128	36.6	11	3.1
Primary	41	100.0	35	85.4	5	12.2	1	2.4
Secondary	26	100.0	21	80.8	5	19.2	-	-
Early Latent	69	100.0	38	55.1	31	44.9	-	-
Late and Late Latent	150	100.0	76	50.7	65	43.3	9	6.0
Congenital	3	100.0	-	-	3	100.0	-	-
Other Infectious Relapse, Etc.	58	100.0	39	67.3	18	31.0	1	1.7
Stage Undetermined	3	100.0	2	66.7	1	33.3	-	-
GONORRHEA, TOTAL	1383	100.0	670	48.4	700	50.7	13	0.9
Acute Uncomplicated, Etc. Gonorrhea	1363	100.0	660	48.4	690	50.7	13	0.9
Epidemiological Treated Gonorrhea	20	100.0	10	50.0	10	50.0	-	-
CHANCROID	22	100.0	11	50.0	10	45.5	1	4.5
GRANULOMA INGUINALE	1	100.0	-	-	1	100.0	-	-
LYMPHOPATHIA VENEREUM	7	100.0	2	28.6	5	71.4	-	-

VENEREAL DISEASE SPECIFIC RATES PER 100,000 POPULATION

	TOTAL	White	Negro	Other Non-White
POPULATION	794,900	702,200	48,000	44,700
VENEREAL DISEASE, TOTAL	221.5	127.0	1758.3	55.9
SYPHILIS	44.0	30.0	266.7	24.6
GONORRHEA	174.0	95.4	1458.3	29.1

REPORTED CIVILIAN CASES OF VENEREAL DISEASES
BY HEALTH DISTRICTS

SAN FRANCISCO- 1955



REPORTED CIVILIAN CASES OF VENEREAL DISEASE
BY HEALTH DISTRICT
SAN FRANCISCO-1955

Health District	Number of Cases	Rate	Percent
Total	1763	221.8	-
Health District subtotal	1604	201.8	100.0
North East	264	248.1	16.5
Central	331	506.1	20.6
West Side	331	528.8	20.6
Marina-Richmond	74	57.8	4.6
South of Market	183	633.2	11.4
Mission	124	172.5	7.7
Eureka-Noe	70	95.6	4.4
Hunter's Point	125	203.9	7.8
Alemany	61	82.1	3.8
Sunset	41	33.4	2.6
District not reported	35	-	-
Non-resident	124	-	-

REPORTED CASES OF VENEREAL DISEASE
BY STAGE AND SOURCE OF REPORT

CITY AND COUNTY OF SAN FRANCISCO - 1955

		S.F.Health Dept.			LOCAL HOSPITALS				
	TOTAL	33 HUNT	101 GROVE	OTHER CITY	and CLINICS	PRIVATE PHYSICIAN	FEDERAL CIVILIANS	OTHER JUR.	MILI-TARY
V.D. TOTAL	2050	1342	50	64	54	136	49	68	287
Percent of Total, V.D.	100.0	65.6	2.4	3.1	2.6	6.6	2.4	3.3	14.0
SYPHILIS TOTAL	357	181	17	6	35	50	8	53	7
Primary	44	28	1	-	-	10	2	-	3
Secondary	28	12	-	1	3	9	-	1	2
Early Latent	71	54	2	4	1	7	-	1	2
Late and Late Latent	150	67	11	-	23	15	4	30	-
Congenital	3	-	1	-	2	-	-	-	-
Infectious Relapse etc., OTHER	58	18	2	1	6	9	1	21	-
Stage Undetermined	3	2	-	-	-	-	1	-	-
GONORRHEA TOTAL	1655	1143	31	57	19	85	33	15	272
Acute Uncomplicated, Etc.	1635	1127	29	57	18	84	33	15	272
Epidemiological Treated	20	16	2	-	1	1	-	-	-
CHANCROID	30	14	2	1	-	1	4	-	8
GRANULOMA INGUINALE	1	-	-	-	-	-	1	-	-
LYMPHOPATHIA VENEREUM	7	4	-	-	-	-	3	-	-

SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH

STATISTICAL REPORT

1956

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October 14, 1957

Public Health statistics constitute the bookkeeping relating to the health of the community or area to which the data pertains. The Bureau of Records and Statistics of the San Francisco Department of Public Health has prepared the following analysis of vital records involving births, deaths, and the incidence of reportable disease, in order that we may have some information relative to the problems upon which the community health services of San Francisco must be focused, and through which, by comparison with similar data of other years, we can determine where progress has been made and the direction toward which our attention should be directed in the future.

These data are not only of interest to those of us in the Health Department, who have a responsibility imposed upon us by law, but they are also of interest to voluntary agencies and to the people as a whole, because they give us some insight into the status of the health of the 800,000 people who live in the City and County of San Francisco.

Ellis D. Sox, M. D.
Director of Public Health

EDS:h

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GENERAL INFORMATION

San Francisco, one of the original 27 counties in the State, was also incorporated as a city in 1850. Located on the tip of a hilly peninsula, its total area is 93.1 square miles of which less than ½, or 44.8 square miles is land. Excluding islands, its land area is 28,340 acres. It has an equable climate with an average daily temperature range of 12.2 degrees, from a daily mean maximum temperature of 62.6 to a daily mean minimum temperature of 50.4 degrees; rainfall averages about 22 inches yearly. The city enjoys about 66% of all the possible sunshine.

The population on July 1, 1956 as estimated by the California State Department of Finance was 798,000, an increase of only 4,000 over the 1955 estimate but 3% higher than the 1950 census figure of 775,357. Estimated figures for racial groups are:

	Number	Percent
Total	798,000	100.00
White	704,230	88.15
Negro	49,250	6.16
Chinese	30,500	3.82
Japanese	7,120	0.89
Other	7,800	0.98

Population Estimates by Age Group

Age Group	Percent of Total in 1950	Applied to 1956 Est. Population
Under 5	8.1	64,711
5 - 14	9.8	78,292
15 - 24	12.8	102,259
25 - 44	33.9	270,828
45 - 64	25.8	206,116
65 and over	9.6	76,694

The distribution by age has certainly changed since 1950; probably the number in the younger and older age groups has increased with decreases in the 15-24 and 25-44 age groups. The following estimates are tentatively suggested:

Age Group	Percent	Est. Population
Under 5	8.2	65,500
5 - 14	11.8	94,200
15 - 24	12.1	97,000
25 - 44	30.9	247,100
45 - 64	27.1	216,200
65 and over	9.9	78,900

Population Estimates for Health Districts

Health District	Population
North East	106,400
Central	65,400
West Side	62,800
Marina-Richmond	128,200
Sunset	123,800
Eureka-Noe	74,100
South of Market	28,800
Mission	72,600
Hunter's Point	61,400
Alemany	75,400

MARRIAGES: The number of marriage licenses issued in San Francisco during 1956 was 6,987, an increase of 7% over 1955. The rate per 1,000 population increased from 8.2 to 8.7.

BIRTHS: In 1956, there were 14,565 resident live births with a rate of 18.2 per 1,000 population, considerably lower than the rates for the State of California and the United States. Figures for the three jurisdictions for 1955 and 1956 are:

	Birth Rate per 1,000 Population	
	1955	1956
United States	24.6	24.9
California	23.9	24.5
San Francisco	18.3	18.2

SAN FRANCISCO HEALTH DISTRICTS AND HEALTH CENTERS

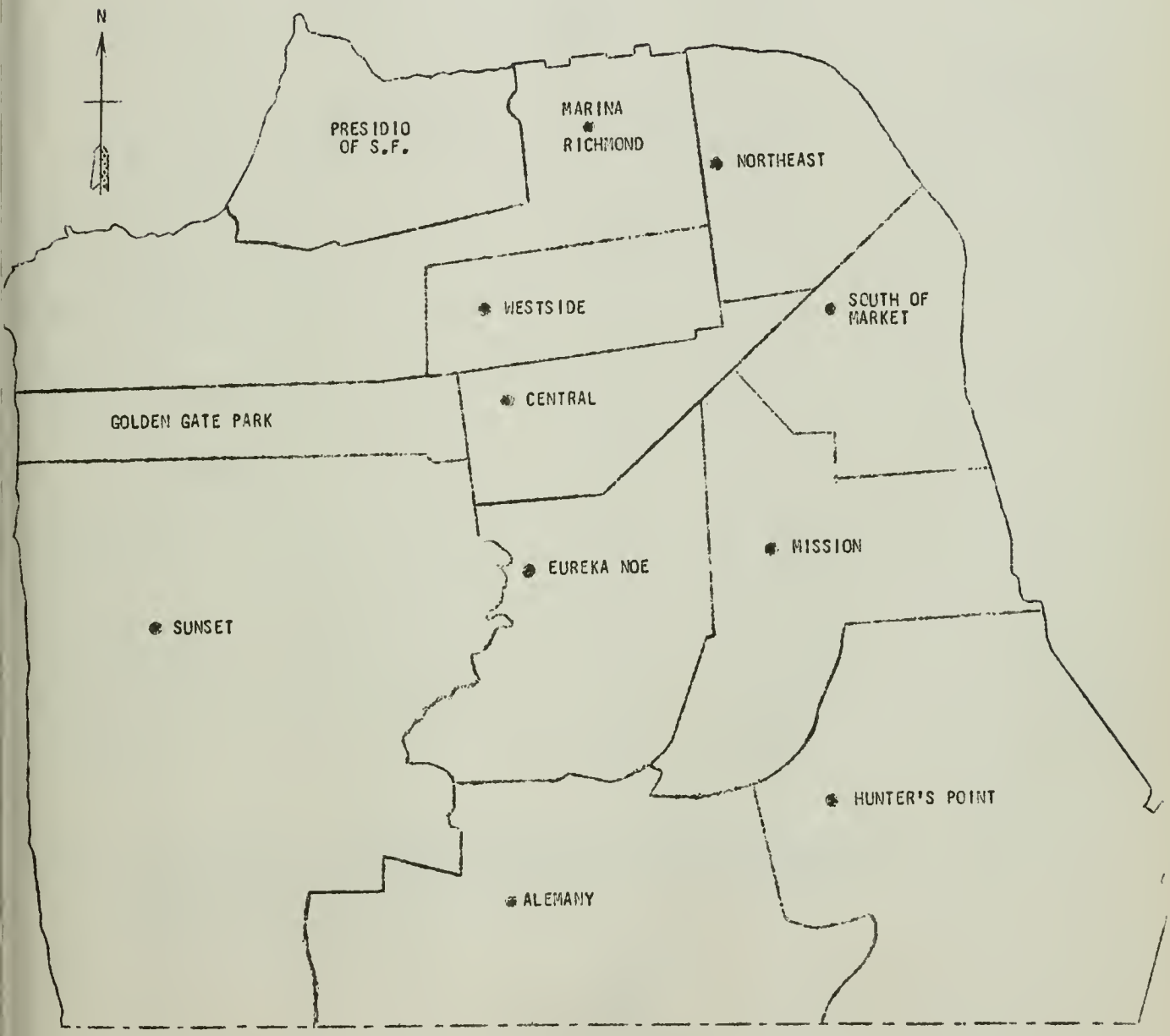


TABLE 1

DEATHS FROM IMPORTANT CAUSES

SAN FRANCISCO, CALIFORNIA, AND UNITED STATES

1956

CAUSE OF DEATH	RANK			RATE			PERCENT OF TOTAL DEATHS		
	S.F.	CALIF.	U.S.	S.F.	CALIF.	U.S.	S.F.	CALIF.	U.S.
TOTAL, ALL CAUSES				1195.1	880.8	936.1	100.0	100.0	100.0
HEART DISEASE	1	1	1	469.0	331.9	361.8	39.2	37.7	38.7
MALIGNANT NEOPLASMS	2	2	2	205.8	142.5	146.6	17.2	16.2	15.7
VASCULAR LESIONS OF THE CENTRAL NERVOUS SYSTEM	3	3	3	118.8	98.0	107.1	9.9	11.1	11.4
ACCIDENTS	4	4	4	66.8	58.6	56.4	5.6	6.7	6.0
CIRRHOSIS OF THE LIVER	5	8	10	42.6	17.3	10.7	3.6	1.9	1.1
SUICIDES	6	9	11	29.4	14.7	9.7	2.5	1.7	1.0
INFLUENZA AND PNEUMONIA	7	6	6	28.9	26.5	28.3	2.5	3.0	3.0
DISEASES OF EARLY INFANCY	8	5	5	27.7	37.0	38.7	2.3	4.2	4.1
ARTERIOSCLEROSIS	9	7	7	22.8	21.6	19.4	1.9	2.5	2.1
TUBERCULOSIS	10	12	12	11.5	7.5	8.3	1.0	0.9	0.9
DIABETES	11	11	8	11.0	9.8	15.8	0.9	1.1	1.7
ULCERS OF THE STOMACH AND DUODENUM	12	13	13	10.6	6.9	5.7	0.9	0.8	0.6
CONGENITAL MALFORMATIONS	13	10	9	8.5	11.5	12.7	0.7	1.3	1.4
ALL OTHER CAUSES				141.7	97.0	114.9	11.8	10.9	12.3

SOURCES: CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH DEATH RECORDS.
CALIFORNIA PUBLIC HEALTH STATISTICAL REPORT, 1956 - PART V, VITAL STATISTICS.
NATIONAL OFFICE OF VITAL STATISTICS, MONTHLY VITAL STATISTICS REPORT,
ANNUAL SUMMARY FOR 1956 - PART 2.

RATES PER 100,000 ESTIMATED POPULATION.

The following table shows the revised population estimates, the number of resident births, birth rate, resident deaths and death rates for the years, 1951 through 1955.

YEAR	Revised Estimated Population	Resident Births	Birth Rate*	Resident Deaths	Death Rate*
1951	776,200	15,505	20.0	9,527	12.3
1952	791,500	15,710	19.8	9,693	12.2
1953	795,900	15,364	19.3	9,435	11.8
1954	798,300	15,171	19.0	9,160	11.5
1955	794,900	14,540	18.3	9,161	11.5
1956	798,900	14,565	18.2	9,548	12.0

* Rate per 1,000 population

Deaths: There were 9,548 resident deaths in San Francisco during 1956 compared to 9,161 in 1955. The death rate in San Francisco, 12.0 per 1,000 population, was considerably higher than the state rate of 8.8 and the national rate of 9.4, chiefly because of the difference in age distribution in the three jurisdictions. Deaths at age 45 and over constituted 89% of all deaths in San Francisco but only 83% of all deaths in the United States. In all three geographic areas, the major chronic degenerative diseases (heart disease, cancers and vascular lesions of the central nervous system) accounted for 66% of the deaths. Accidents were the fourth most important cause of death. Cirrhosis of the liver was fifth in San Francisco but eighth in California and tenth nationally. Suicide was the sixth most important cause of death in San Francisco but was only ninth in the state and eleventh in the United States. Many factors influence the rank order of causes of death but it seems evident from the high rates for cirrhosis and suicide that San Francisco has special problems in the mental health and social adjustment of its citizens.
(See Table 1, Page 4)

IMPORTANT CAUSES OF DEATH

Again in 1956 two-thirds of the deaths in San Francisco were caused by chronic diseases reflecting the steady aging of our population and the decline in deaths from communicable diseases. More San Franciscans are living longer - the average age at death in 1935 was 56.9 years; in 1946 it was 58.4 and in 1956 it was 64.2 years. The average age at which men died for the same three years was 56.0, 56.6 and 62.8; for women it was 58.3, 60.9 and 66.3 years.

Heart disease, the most frequent cause, accounted for 39% of the deaths at all ages. It caused 18% of the deaths in the 25-44 year age group, went up to nearly 36% among those 45-64 years old and was responsible for nearly half (46.5%) of the deaths of those 65 years of age and older.

Cancer caused 17% of the deaths at all ages, 23% of the deaths in the age group 45-64 and nearly 16% in the age group 65 and over. Only in the age group 15-24 did more women than men die from cancer. The most common sites were those of the digestive system and peritoneum, causing 6.3% of the deaths.

Vascular lesions of the central nervous system (chiefly cerebral hemorrhage) showed an increase of almost 18% over 1955, mainly because of changes in interpreting and coding the underlying cause of death. They were the fourth cause of death in the 45-64 age group and the third cause in those 65 and older.

Accidents were fourth in frequency for all ages, accounting for 5.6% of the deaths during 1956, an increase of 15% over 1955. They were the leading cause of death from ages 1 through 24 years, the second cause in the 25-44 year age group, and fourth and fifth respectively in those 45-64 and 65 and over. Home accidents accounted for 35% of these needless deaths. Motor vehicle accidents increased in number, rate and percent from 1955.

For more than 20 years the death rate in San Francisco from cirrhosis of the liver has been double that of California and triple the national rate. It was the fourth cause of death in the age group 25-44 years and third in the age group 45-64. Another cause for concern is the death rate from suicide, now in sixth place. Twice as many men committed suicide as women, half of them in the age group 45-64.

The over-all death rates for Negroes and Chinese were again more favorable than that for whites; the death rates per 1,000 population were 7.7, 8.6 and 12.5 respectively. Heart disease was the leading cause of death in all three groups though the rates for Negroes and Chinese were considerably lower than for the whites. Death rates from tuberculosis were higher for both Negroes and Chinese than for the whites. Cirrhosis of the liver seemed to be primarily a problem of the white population but suicides outranked accidents among the Chinese. Negligible among the Negroes, the suicide rate among the Chinese was nearly twice that of the whites. About one-half of the white but only one-sixth of the Chinese suicides were women.

TABLE 2

LEADING CAUSES OF DEATH FOR SAN FRANCISCO WHITES, NEGROES AND CHINESE BY RANK ORDER AND RATE PER 100,000 POPULATION; CORRECTED FOR RESIDENCE

1956

CAUSE OF DEATH	WHITES		NEGROES		CHINESE	
	Rank	Death Rate	Rank	Death Rate	Rank	Death Rate
ALL CAUSES		1250.2		769.5		859.0
Heart Disease	1	505.4	1	176.6	1	252.5
Malignant Neoplasms	2	218.4	3	95.4	2	147.5
Vascular Lesions of C.N.S.	3	123.3	5	62.9	3	114.8
Accidents	4	67.3	4	73.1	5	52.5
Cirrhosis of Liver	5	45.4	6	30.5	-	3.3
Pneumonia and Influenza	6	30.2	7	26.4	8	13.1
Suicides	7	30.1	-	4.1	4	59.0
Arteriosclerosis	8	25.1	-	6.1	-	6.6
Diseases of Early Infancy	9	21.2	2	97.5	6	49.2
Diabetes	10	11.2	10	8.1	8	13.1
Tuberculosis	11	11.1	9	14.2	7	16.4
Homicides	-	5.1	7	26.4	-	6.6
Congenital Malformations	-	7.4	8	20.3	7	16.4

TABLE 3

DEATHS FROM IMPORTANT CAUSES, ALL AGES

	1956			1955		
	RANK	NUMBER	RATE	RANK	NUMBER	RATE
TOTAL, ALL CAUSES	-	9548	1195.1	-	9161	1152.5
Heart Diseases	1	3747	469.0	1	3635	457.3
Cancer	2	1644	205.8	2	1597	200.9
Vascular Lesions of C.N.S.	3	949	118.8	3	802	100.9
Accidents	4	534	66.8	4	464	58.4
Cirrhosis of Liver	5	340	42.6	5	288	36.2
Suicides	6	235	29.4	9	194	24.4
Influenza and Pneumonia	7	231	28.9	7	229	28.8
Certain Diseases of Early Infancy	8	221	27.7	6	239	30.1
Arteriosclerosis	9	182	22.8	8	211	26.5
Tuberculosis	10	92	11.5	11	116	14.6
Diabetes	11	88	11.0	10	128	16.1

TABLE 4 IMPORTANT CAUSES OF DEATH BY SEX, 1956

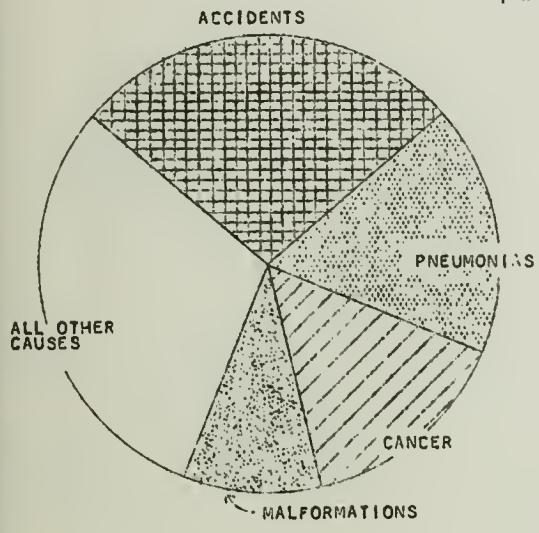
	MALE			FEMALE		
	NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT
TOTAL, ALL CAUSES	5599	1393.8	100.0	3949	994.2	100.0
Heart Diseases	2273	565.8	40.6	1474	371.1	37.3
Malignant Neoplasms	885	220.3	15.8	759	191.1	19.2
Vascular Lesions of C.N.S.	450	112.0	8.0	499	125.6	12.7
Accidents	351	87.4	6.3	183	46.1	4.6
Cirrhosis of the Liver	222	54.8	4.0	118	29.7	3.0
Suicides	159	39.6	2.8	76	19.1	1.9
Influenza and Pneumonia	151	37.6	2.7	80	20.1	2.0
Diseases of Early Infancy	137	34.1	2.4	84	21.1	2.1
Arteriosclerosis	91	22.7	1.6	91	22.9	2.3
Tuberculosis	69	17.2	1.2	23	5.8	0.6
Diabetes	35	8.7	0.6	53	13.3	1.3
Ulcers of Stomach and Duodenum	64	15.9	1.1	21	5.3	0.5
All Other Causes	712	177.7	12.9	488	123.0	12.5

RATES PER 100,000 ESTIMATED POPULATION.

DEATHS FROM IMPORTANT CAUSES BY AGE

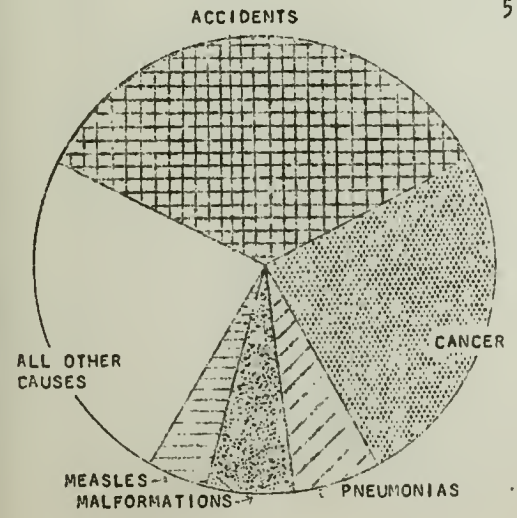
RESIDENTS OF SAN FRANCISCO

1956



1 - 4 YEARS

CAUSE OF DEATH	NUMBER	PERCENT
TOTAL, ALL CAUSES	40	100.0
ACCIDENTS	11	27.5
PNEUMONIAS	7	17.5
MALIGNANT NEOPLASMS	6	15.0
CONGENITAL MALFORMATIONS	5	12.5
ALL OTHERS (1 EACH)	11	27.5
HEART		
HOMICIDE		
BACILLARY DYSENTERY		
INTESTINAL OBSTRUCTION		
SEPTICEMIA		
MENINGITIS		
BRONCHIAL ASTHMA		
BRONCHITIS		
ACUTE NEPHRITIS		
TONSILLITIS		
MENTAL DEFICIENCY		



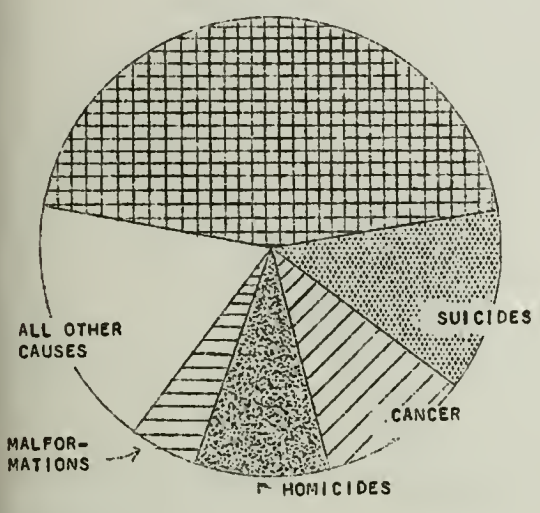
5 - 14 YEARS

CAUSE OF DEATH	NUMBER	PERCENT
TOTAL, ALL CAUSES	49	100.0
ACCIDENTS	17	34.7
MALIGNANT NEOPLASMS	12	24.5
PNEUMONIAS	3	6.1
CONGENITAL MALFORMATIONS	3	6.1
MEASLES WITH ENCEPHALITIS	2	4.1
ALL OTHERS (1 EACH)	12	24.5
UNSPECIFIED BRAIN NEOPLASM		
DIABETES		
OTHER METABOLIC		
OTHER VASCULAR LESIONS		
PURPURA		
OTHER ANEURYSM		
OTHER RESPIRATORY		
BRONCHIECTASIS		
OTHER INTESTINAL & PERITONEUM		
PANCREAS		
CHRONIC NEPHRITIS		
DERMATOSES		

DEATHS FROM IMPORTANT CAUSES BY AGE

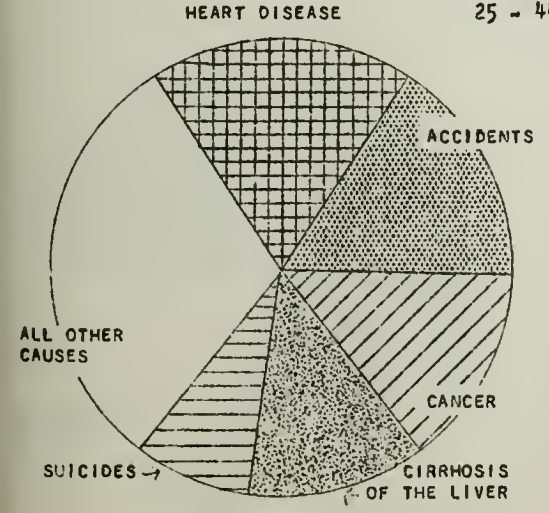
RESIDENTS OF SAN FRANCISCO

1956



15 - 24 YEARS

CAUSE OF DEATH	NUMBER	PERCENT
TOTAL, ALL CAUSES	85	100.0
ACCIDENTS	38	44.7
SUICIDES	11	12.9
MALIGNANT NEOPLASMS	9	10.6
HOMICIDES	8	9.4
CONGENITAL MALFORMATIONS	4	4.7
HEART	2	
PULMONARY EMBOLISM	1	
OTHER DISEASES OF THE ARTERIES	2	
ARTERIOSCLEROTIC AORTIC ANEURYSM	1	
SUBARACHNOID HEMORRHAGE	1	
PNEUMOCOCCAL MENINGITIS	1	
CHRONIC NEPHRITIS	1	
OTHER UNSPECIFIED EPILEPSY	1	
PANCREATITIS	1	
ACUTE POLIOMYELITIS	1	
SARCOID OF BOECK	1	
DIABETES	1	
UNKNOWN	1	



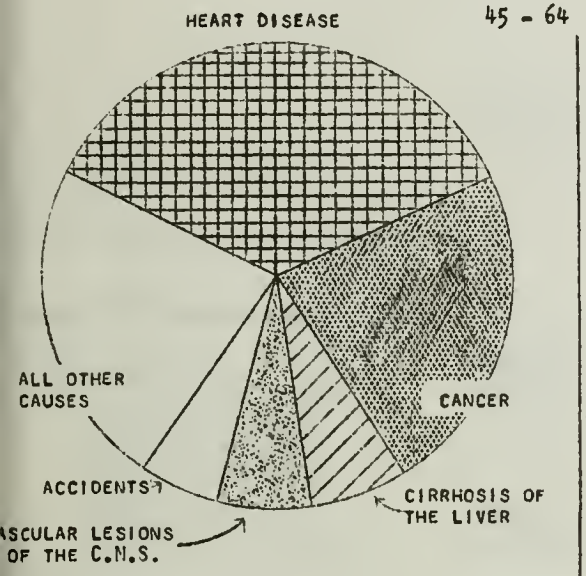
25 - 44 YEARS

CAUSE OF DEATH	NUMBER	PERCENT
TOTAL, ALL CAUSES	560	100.0
HEART DISEASE	103	18.4
ACCIDENTS	90	16.1
MALIGNANT NEOPLASMS	79	14.1
CIRRHOSIS OF THE LIVER	70	12.5
SUICIDES	46	8.2
HOMICIDES	24	4.3
VASCULAR LESIONS OF THE C.N.S.	22	3.9
TUBERCULOSIS	17	3.0
PNEUMONIAS	11	2.0
NEPHRITIS, ALL TYPES	10	1.8
OTHER DISEASES OF THE ARTERIES	9	1.6
ALL OTHER CAUSES	79	14.1

DEATHS FROM IMPORTANT CAUSES BY AGE

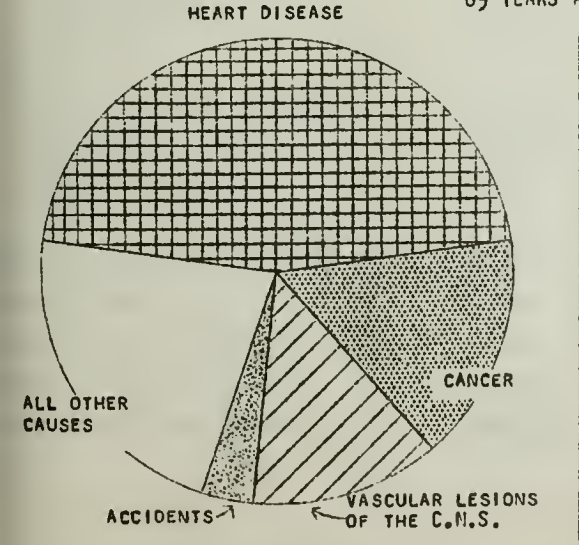
RESIDENTS OF SAN FRANCISCO

1956



45 - 64 YEARS

CAUSE OF DEATH	NUMBER	PERCENT
TOTAL, ALL CAUSES	2826	100.0
HEART DISEASE	1010	35.7
MALIGNANT NEOPLASMS	650	23.0
CIRRHOSIS OF THE LIVER	189	6.7
VASCULAR LESIONS OF THE C.N.S.	183	6.5
ACCIDENTS	155	5.5
SUICIDES	118	4.2
PNEUMONIAS	57	2.0
OTHER DISEASES OF THE ARTERIES	40	1.4
TUBERCULOSIS	38	1.3
ULCERS OF STOMACH AND DUODENUM	31	1.1
NEPHRITIS, ALL TYPES	30	1.1
ALL OTHER CAUSES	325	11.4



65 YEARS AND OVER

CAUSE OF DEATH	NUMBER	PERCENT
TOTAL, ALL CAUSES	5657	100.0
HEART DISEASE	2630	46.5
MALIGNANT NEOPLASMS	886	15.7
VASCULAR LESIONS OF THE C.N.S.	741	13.1
ACCIDENTS	206	3.6
ARTERIOSCLEROSIS	175	3.1
PNEUMONIAS	127	2.2
CIRRHOSIS OF THE LIVER	81	1.4
SUICIDES	60	1.1
OTHER DISEASES OF THE ARTERIES	59	1.0
DIABETES	58	1.0
ALL OTHER CAUSES	634	11.2

TABLE 5

DEATHS FROM SELECTED CAUSES, CITY & COUNTY OF SAN FRANCISCO,

BY PLACE OF RESIDENCE AND OCCURRENCE

1956

	INT'L. LIST NUMBER	1956 DEATHS BY RESIDENCE NUMBER	RATE	PERCENT	1956 DEATHS BY OCCURRENCE	1955 RESIDENT NUMBER	RATE
TOTAL, ALL CAUSES		9548	1195.1	100.0	9955	9161	1152.5
SELECTED DISEASES USUALLY CHRONIC IN NATURE							
CARDIOVASCULAR RENAL DISEASES, TOTAL		5193	650.0	54.4	5087	4935	620.8
VASCULAR LESIONS, C.N.S.	330-334	949	118.8	9.9	895	802	100.9
RHEUMATIC FEVER	400-402	4	0.5	-	4	4	0.5
DISEASES OF HEART, TOTAL	410-443	3747	469.0	39.2	3663	3635	457.3
CHR. RHEUMATIC HEART	410-416	120	15.0	1.3	137	112	14.1
ARTERIOSCLEROTIC HEART INCLUDING CORONARY	420	2984	373.5	31.3	2916	2832	356.3
CHR. ENDOCARDITIS AND MYOCARDITIS	421-422	207	25.9	2.2	178	235	29.6
OTHER HEART DISEASES	430-434	103	12.9	1.1	101	59	7.4
HYPERTENSION WITH HEART	440-443	333	41.7	3.5	331	397	49.9
HYPERTENSION WITHOUT MENTION OF HEART	444-447	70	8.8	0.7	75	62	7.8
GENERAL ARTERIOSCLEROSIS	450	182	22.8	1.9	160	211	26.5
OTHER DISEASES OF CIRCULATORY SYSTEM	451-468	182	22.8	1.9	218	161	20.3
NEPHRITIS, CHRONIC AND UNSPECIFIED	592-594	59	7.3	0.6	72	60	7.5
MALIGNANT NEOPLASMS, TOTAL		1644	205.8	17.2	2045	1597	200.9
BUCCAL CAVITY & PHARYNX	140-148	46	5.8	0.5	59	44	5.5
DIGESTIVE ORGANS & PERITONEUM	150-159	605	75.7	6.3	706	579	72.8
RESPIRATORY SYSTEM	160-165	249	31.2	2.6	310	243	30.6
BREAST	170	158	19.8	1.6	187	160	20.1
UTERUS	171-174	68	8.5	0.7	68	85	10.7
OTH. FEMALE GENITAL ORGANS	175-176	60	7.5	0.6	72	77	9.7
MALE GENITAL ORGANS	177-179	89	11.1	0.9	88	68	8.6
URINARY	180-181	85	10.6	0.9	104	81	10.2
HODGKIN'S DISEASE	201	14	1.8	0.2	31	19	2.4
LEUKEMIA & ALEUKEMIA	204	61	7.6	0.6	51	42	5.3
OTHER & UNSPECIFIED SITES		209	26.2	2.2	369	167	21.0
BENIGN & UNSPECIFIED NEOPLASMS	210-239	37	4.6	0.4	56	20	2.5
DIABETES MELLITUS	260	88	11.0	0.9	100	128	16.1
CIRRHOSIS OF THE LIVER	581	340	42.6	3.6	342	288	36.2
ULCER OF STOMACH & DUODENUM	540-541	85	10.6	0.9	99	101	12.7
HERNIA & INTESTINAL OBSTRUCTION	560-561 570	62	7.8	0.6	70	60	7.5

TABLE 5, CONTINUED

DEATHS FROM SELECTED CAUSES (CONTINUED)

	INT'L. LIST NUMBER	1956 DEATHS BY RESIDENCE NUMBER	RATE	PERCENT	1956 DEATHS BY OCCURRENCE	1955 RESIDENT NUMBER	RATE
ACCIDENTS, POISONINGS & VIOLENCE							
ACCIDENTS, TOTAL	.	534	66.8	5.6	460	464	58.4
MOTOR VEHICLE	810-835	159	19.9	1.7	100	128	16.1
HOME ACCIDENTS	870-936.(0)	188	23.5	1.9	203	180	22.7
ALL OTHER		187	23.4	1.9	157	156	19.6
SUICIDES	970-979	235	29.4	2.5	238	194	24.4
HOMICIDES	980-985	52	6.5	0.5	53	48	6.0
SELECTED COMMUNICABLE DISEASES							
PNEUMONIA	490-493	226	28.3	2.4	180	226	28.4
INFLUENZA	480-483	5	0.6	0.1	5	3	0.4
TUBERCULOSIS, RESPIRATORY SYSTEM	001-008	87	10.9	0.9	74	107	13.5
TUBERCULOSIS, OTHER FORMS	010-019	5	0.6	0.1	8	9	1.1
SYPHILIS	020-029	32	4.0	0.3	27	46	5.8
POLIOMYELITIS	080-081	3	0.4	-	7	2	0.3
INFECTIOUS HEPATITIS	092	4	0.5	-	4	3	0.4
OTHER INFECTIVE AND PARASITIC DISEASES	001-138	21	2.6	0.2	21	6	0.8
ALL OTHER CAUSES							
PUERPERAL DEATHS	640-689	5	0.6	0.1	6	3	0.4
CONGENITAL MALFORMATIONS	750-759	68	8.5	0.7	139	80	10.1
DISEASES OF EARLY INFANCY	760-776	221	27.7	2.3	294	239	30.1
ALL OTHER SPECIFIED CAUSES-RESIDUAL		564	70.6	5.9	624	570	71.7
SENILITY, ILL-DEFINED AND UNKNOWN CAUSES	780-795	37	4.7	0.4	16	32	4.0

RATES PER 100,000 ESTIMATED POPULATION.

BIRTHS

There were 14,565 resident live births in San Francisco during 1956 with a rate of 18.2 per 1,000 population. The ratio of males to females was 103 to 100; there were 7,388 males and 7,177 females, no appreciable change from the experience of the two previous years. The birth rate seems to be continuing the downward trend evident since 1947 when it reached an all-time high of 30.3. The number of Negro births increased from 2,041 in 1955 to 2,172 in 1956; the birth rate increased from 42.5 to 44.1. The number of Chinese births and the birth rate also increased - from 865 in 1955 to 908 in 1956.

The total number of births recorded in San Francisco was 20,112; nearly 30% of these (5,966) were non-resident births, again a 7% increase over the preceding year when there were 5,578 non-resident births. The number of San Francisco babies born outside the city was 419, a drop of 183 since 1955.

Illegitimacy continues to be a serious problem in San Francisco. During 1956, 7.8% of the resident live births were to unmarried parents. Forty-eight percent of the deliveries occurred at San Francisco Hospital and 73% were Negro births.

Again in 1956, as in 1955, the Sunset and Marina-Richmond Health Districts experienced the largest number of births but their birth rates were 16.2 and 15.4 per 1,000 population, lower than the city-wide rate of 18.2 but quite similar to the white rate of 15.4. The highest birth rate, 25.6, was in the Mission while the lowest was in the South of Market district, both rates consistent with the character of the districts. Westside and Hunter's Point Health Districts experienced favorable lowering of their birth mortality indices during 1956 as did every health district except the Mission.

The San Francisco Department of Public Health is participating in a study being made by the State Department of Public Health Bureau of Maternal and Child Health and Bureau of Records and Statistics of certain medical items reported on live birth and fetal death certificates. All certificates filed in San Francisco during the month of April, 1957 are being checked against the mothers' and infants' records in the hospital of birth. The study is part of a plan to evaluate the reliability of data obtained from the live birth and fetal death certificates in order to identify important causes of disease and disability associated with childbirth and to develop programs of prevention.

TABLE 6

RECORDED, RESIDENT AND NON-RESIDENT BIRTHS

BY PLACE OF BIRTH 1956 AND 1955

	RECORDED		RESIDENT		NON-RESIDENT	
	1956	1955	1956	1955	1956	1955
TOTAL	20,112	19,516	14,565	14,540	5966	5578
KAISER FOUNDATION HOSPITAL	2249	2020	1271	1165	978	855
LETTERMAN HOSPITAL	1943	1788	1013	870	930	918
STANFORD HOSPITAL	1786	1676	1225	1173	561	503
ST. MARY'S HOSPITAL	1654	1708	1184	1236	470	472
CHILDREN'S HOSPITAL	1637	1664	1165	1191	472	473
MARY'S HELP HOSPITAL	1590	1742	1237	1366	353	376
H. C. MOFFITT HOSPITAL	1450	1222	979	836	471	386
SAN FRANCISCO HOSPITAL	1449	1397	1435	1384	14	13
ST. JOSEPH'S HOSPITAL	1368	1405	962	1025	406	380
ST. FRANCIS HOSPITAL	1281	1307	960	998	321	309
MOUNT ZION HOSPITAL	997	1033	741	770	256	263
ST. LUKE'S HOSPITAL	964	843	726	655	238	188
FRENCH HOSPITAL	578	533	430	398	148	135
CHINESE HOSPITAL	493	524	476	501	17	23
FRANKLIN HOSPITAL	379	357	214	229	165	128
ST. ELIZABETH'S HOSPITAL	208	205	52	57	156	148
OWN HOME	58	70	54	67	4	3
EMERGENCY HOSPITALS	10	7	8	7	2	-
SMALL HOSPITALS	4	5	4	8	-	2
ELSEWHERE	14	5	10	2	4	3
OUT OF TOWN	-	-	419	602	-	-

TABLE 7

RESIDENT LIVE BIRTHS BY COLOR AND SEX,
WITH BIRTH RATES FOR 1956 AND 1955

	1955		1956			
	BIRTHS	RATE	BIRTHS	RATE	MALES	FEMALES
TOTAL	14,540	18.3	14,565	18.2	7388	7177
WHITE	11,062	15.8	10,844	15.4	5537	5307
NEGRO	2041	42.5	2172	44.1	1066	1106
CHINESE	865	28.8	908	29.8	455	453
JAPANESE	206	29.4	231	32.4	107	124
OTHER NON-WHITE	366	47.5	410	52.6	223	187

RATES PER 1,000 ESTIMATED POPULATION.

TABLE 8

RESIDENT BIRTHS BY RACE AND HEALTH DISTRICT

SAN FRANCISCO - 1956

	TOTAL	WHITE	NEGRO	CHINESE	JAPANESE	OTHER	BIRTH RATE
TOTAL	14,565	10,844	2172	908	231	410	18.2
NORTH-EAST	1361	593	26	697	15	30	12.8
CENTRAL	1395	946	327	24	30	68	21.3
WESTSIDE	1323	476	688	32	83	44	21.1
MARINA-RICHMOND	1974	1732	75	53	62	52	15.4
SOUTH OF MARKET	192	98	56	9	2	27	6.7
MISSION	1861	1577	191	12	7	74	25.6
EUREKA-NOE	1602	1510	31	15	9	37	21.6
HUNTER'S POINT	1240	690	476	22	8	44	20.2
ALEMANY	1587	1239	284	32	7	25	21.0
SUNSET	2005	1963	15	11	7	9	16.2
DISTRICT NOT REPORTED	25	20	3	1	1	-	-

BIRTH RATES PER 1,000 ESTIMATED POPULATION.

TABLE 9

INFANT & FETAL MORTALITY BY HEALTH DISTRICTS

SAN FRANCISCO - 1956

	NUMBER					RATE PER 1,000 LIVE BIRTHS				
	LIVE BIRTHS	INFANT DEATHS			FETAL DEATHS	INFANT DEATH RATE			FETAL DEATH RATIO	BIRTH MORTALITY INDEX*
		TOTAL	UNDER 1 Mo.	1 - 11 Mos.		TOTAL	UNDER 1 Mo.	1 - 11 Mos.		
TOTAL	14,565	329	261	68	179	22.6	17.9	4.7	12.3	30.2
NORTH EAST	1361	38	32	6	17	27.9	23.5	4.4	12.5	36.0
CENTRAL	1395	27	21	6	13	19.4	15.1	4.3	9.3	24.4
WESTSIDE	1323	35	25	10	20	26.5	18.9	7.6	15.1	34.0
MARINA-RICHMOND	1974	36	27	9	20	18.3	13.7	4.6	10.1	23.8
SOUTH OF MARKET	192	10	10	-	3	5.2	5.2	-	15.6	20.8
MISSION	1861	39	33	6	27	20.9	17.7	3.2	14.5	32.2
EUREKA-NOE	1602	33	24	9	15	20.6	15.0	5.6	9.4	24.4
HUNTER'S POINT	1240	30	26	4	19	24.2	21.0	3.2	15.3	36.3
ALEMANY	1587	34	24	10	21	21.4	15.1	6.3	13.2	28.3
SUNSET	2005	40	32	8	20	20.0	16.0	4.0	10.0	26.0
DISTRICT NOT REPORTED	25	7	7	-	4	-	-	-	-	-

* BIRTH MORTALITY INDEX, A MEASURE OF PERINATAL MORTALITY IS THE SUM OF THE FETAL DEATH RATIO AND THE NEO-NATAL DEATH RATE.

TABLE 10

RESIDENT LIVE BIRTHS BY WEIGHT, SEX, AND RACE
SAN FRANCISCO - 1956

WEIGHT	TOTAL			WHITE			NEGRO			CHINESE			JAPANESE			OTHER		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
TOTAL	14,565	7388	7177	10,844	5537	5307	2172	1066	1106	908	455	453	231	107	124	410	223	187
TOTAL UNDER 5 LBS. 8 OZ.	1187	533	654	786	360	426	288	114	174	62	31	31	16	10	6	35	18	17
2 LBS. 3 OZ. OR LESS	85	44	41	51	27	24	28	13	15	3	2	1	1	1	-	2	1	1
2 LBS. 4 OZ. - 3 LBS. 4 OZ.	82	41	41	57	26	31	20	13	7	3	1	2	1	1	-	1	-	1
3 LBS. 5 OZ. - 4 LBS. 6 OZ.	235	114	121	154	77	77	54	23	31	16	10	6	4	1	3	7	3	4
4 LBS. 7 OZ. - 5 LBS. 8 OZ.	785	334	451	524	230	294	186	65	121	40	18	22	10	7	3	25	14	11
TOTAL OVER 5 LBS. 8 OZ.	13,306	6818	6488	10,013	5153	4860	1868	947	921	841	420	421	211	94	115	373	204	169
5 LBS. 9 OZ. - 6 LBS. 9 OZ.	3021	1309	1712	1996	847	1149	615	281	334	227	91	136	67	29	38	116	61	55
6 LBS.10 OZ. - 7 LBS. 11 OZ.	5792	2894	2898	4304	2152	2152	822	412	410	411	206	205	99	47	52	156	77	79
7 LBS.12 OZ. - 8 LBS. 13 OZ.	3501	1980	1521	2863	1607	1256	351	207	144	166	97	69	40	15	25	81	54	27
8 LBS.14 OZ. - 9 LBS. 14 OZ.	849	542	307	730	470	260	68	41	27	31	20	11	4	2	2	16	9	7
9 LBS.15 OZ. - AND OVER	143	93	50	120	77	43	12	6	6	6	6	-	1	1	-	4	3	1
WEIGHT NOT REPORTED	72	37	35	45	24	21	16	5	11	5	4	1	4	3	1	2	1	1

TABLE 11

SAN FRANCISCO RESIDENT LIVE BIRTHS BY PERIOD OF GESTATION, 1956

WEIGHT	TOTAL	PERIOD OF GESTATION									
		20 WEEKS	20-27	28-31	32-35	36 WEEKS	37-39	40 WEEKS	41-42	42 PLUS	N.R.
TOTAL	14,565	5	85	112	332	373	2044	10,848	737	17	12
TOTAL UNDER 5 LBS. 8 OZ.	1187	5	83	104	272	216	247	248	11	1	-
2 LBS 3 OZ. OR LESS	85	5	69	10	1	-	-	-	-	-	-
2 LBS. 4 OZ. - 3 LBS. 4 OZ.	82	-	12	46	16	2	6	-	-	-	-
3 LBS. 5 OZ. - 4 LBS. 6 OZ.	235	-	2	35	120	31	22	22	2	1	-
4 LBS. 7 OZ. - 5 LBS. 8 OZ.	785	-	-	13	135	183	219	226	9	-	-
TOTAL OVER 5 LBS. 8 OZ.	13,306	-	-	3	55	151	1794	10,551	726	16	10
5 LBS. 9 OZ. - 6 LBS. 9 OZ.	3021	-	-	3	41	97	688	2104	83	3	2
6 LBS. 10 OZ. - 7 LBS. 11 OZ.	5792	-	-	-	13	42	724	4721	282	5	5
7 LBS. 12 OZ. - 8 LBS. 13 OZ.	3501	-	-	-	-	10	323	2897	263	5	3
8 LBS. 14 OZ. - 9 LBS. 14 OZ.	849	-	-	-	1	-	46	714	88	-	-
9 LBS. 15 OZ. - AND OVER	143	-	-	-	-	2	13	115	10	3	-
WEIGHT NOT REPORTED	72	-	2	5	5	6	3	49	-	-	2

PREMATURE BIRTHS

Using a birth weight of 5 lbs, 8 oz. (2500 grams) as a criterion, 8.1% of the resident live births in San Francisco were premature. Negroes had the highest percent of premature births in this respect, 13.3% being under the standard. They also had the highest percent of prematurity when a period of gestation of 36 weeks or less is considered evidence of prematurity. Figures and percentages for these criteria by race are:

	Birth Weight 5 lbs., 8 oz. or Less		Gestation Period, 36 Weeks or Less	
	Number	Percent of Total Births	Number	Percent of Total Births
Total	1,187	8.1	907	6.3
White	786	7.2	592	5.5
Negro	288	13.3	221	10.2
Chinese	62	6.8	54	5.9
Japanese	16	6.9	12	5.2
Other	35	8.5	28	6.8

In 53% of the infant deaths prematurity was mentioned as an underlying cause; of the 174 children in this group, only 6 had lived more than one month.

FETAL DEATHS

The number of fetal deaths reported for San Francisco residents during 1956 was 179, a ratio of 12.2 per 1,000 live births and a decrease from 14.6 in 1955. The decrease is especially marked among the Negroes where the ratio decreased from 25.0 in 1955 to 17.5 in 1956. The Chinese ration was as usual consistently lower and the ratio for whites was the same as for the city.

FETAL DEATHS BY HEALTH DISTRICT AND RACE

HEALTH DISTRICT	TOTAL	WHITE	NEGRO	CHINESE	OTHER
TOTAL	179	133	38	3	5
NORTH EAST	17	11	3	2	1
CENTRAL	13	9	3	-	1
WESTSIDE	20	6	14	-	-
MARINA-RICHMOND	20	20	0	-	-
SOUTH OF MARKET	3	1	2	-	-
MISSION	27	22	4	-	1
EUREKA-NOE	15	14	0	-	1
HUNTER'S POINT	19	11	7	-	1
ALEMANY	21	16	4	1	-
SUNSET	20	19	1	-	-
DISTRICT NOT REPORTED	4	4	0	-	-

TABLE 12

PLACE OF BIRTH OF PREMATURE INFANTS* BY COLOR,
SAN FRANCISCO - 1956

PLACE OF BIRTH	TOTAL	WHITE	NEGRO	CHINESE	JAPANESE	OTHER
TOTAL	880	568	220	53	12	27
SAN FRANCISCO HOSPITAL	164	60	96	2	-	6
CHILDREN'S HOSPITAL	90	61	13	12	1	3
H. C. MOFFITT HOSPITAL (U. C. HOSPITAL)	74	48	22	1	2	1
MARY'S HELP HOSPITAL	70	64	-	1	-	5
ST. MARY'S HOSPITAL	67	66	1	-	-	-
STANFORD HOSPITAL	57	29	22	3	2	1
MILITARY HOSPITAL	56	33	16	1	3	3
ST. JOSEPH HOSPITAL	49	45	3	1	-	-
MT. ZION HOSPITAL	47	38	5	1	3	-
PERMANENTE HOSPITAL (KAISER)	46	22	18	2	1	3
ST. FRANCIS HOSPITAL	43	37	2	3	-	1
ST. LUKE'S HOSPITAL	38	35	3	-	-	-
FRENCH HOSPITAL	25	17	7	-	-	1
CHINESE HOSPITAL	23	-	-	23	-	-
AT HOME	17	8	7	2	-	-
ELSEWHERE	4	-	4	-	-	-
ST. ELIZABETH'S HOSPITAL	3	2	-	-	-	1
FRANKLIN HOSPITAL	3	2	-	1	-	-
DOCTOR'S HOSPITAL	1	-	1	-	-	-
EMERGENCY HOSPITALS	3	1	-	-	-	2

TABLE 13

RESIDENT FETAL DEATHS BY PLACE OF BIRTH AND RACE, 1956

PLACE OF BIRTH	TOTAL	WHITE	NEGRO	CHINESE	OTHER
TOTAL	179	133	38	3	5
SAN FRANCISCO HOSPITAL	23	12	11	-	-
MARY'S HELP HOSPITAL	19	18	-	-	1
ST. MARY'S HOSPITAL	18	17	-	1	-
STANFORD HOSPITAL	15	11	4	-	-
ST. FRANCIS HOSPITAL	15	15	-	-	-
LETTERMAN HOSPITAL	14	8	6	-	-
KAISER HOSPITAL	13	9	4	-	-
MT. ZION HOSPITAL	11	6	4	1	-
ST. LUKE'S HOSPITAL	9	9	-	-	-
ST. JOSEPH'S HOSPITAL	8	8	-	-	-
CHILDREN'S HOSPITAL	8	7	-	-	1
U. C. HOSPITAL	5	4	1	-	-
FRENCH HOSPITAL	5	1	4	-	-
CHINESE HOSPITAL	4	-	-	1	3
EMERGENCY HOSPITALS	3	2	1	-	-
HOME	2	1	1	-	-
FRANKLIN HOSPITAL	1	1	-	-	-
ELSEWHERE	2	2	-	-	-
OUT OF TOWN	4	2	2	-	-

INFANT DEATHS

In 1956 there were 329 resident deaths of children under one year of age, a rate of 22.6 per 1,000 live births compared to 358 for 1955 with a rate of 24.6. San Francisco seems to be making some progress in this problem since the rate for 1954 was 24.8. Of the total infant deaths, 79.3% occurred during the first month of life and almost 45% occurred within 24 hours of birth.

During 1956 the highest infant mortality rate was among Chinese babies; 27 infant deaths in 1956 compared to 16 in 1955 brought the rate per 1,000 live births to 29.7 as against a rate of 18.5 in 1955. The Negro infant mortality rate decreased from 35.8 to 28.5. The rate for whites in 1956 was 21.2 compared to 23.4 in 1955.

Again atelectasis with 74 deaths was the most frequent cause of death accounting for 22% of the total. Immaturity unqualified or with mention of a subsidiary condition caused 17% of the deaths; birth injuries and congenital malformations accounted for 15 and 14% respectively. There was a slight decrease in the number of accidental deaths, from 21 to 18.

The highest rate of infant morality, 27.9, occurred in the North East Health District, reflecting the increase in Chinese infant deaths during 1956. Westside Health District with a rate of 26.5 and Hunter's Point with a rate of 24.2 were also higher than the City rate of 22.6, pointing up the special social and economic problems of these areas.

INFANT DEATHS BY RACE

	Total	Male	Female	Rate
Total	329	201	128	22.6
White	230	145	85	21.2
Negro	62	35	27	28.5
Chinese	27	17	10	29.7
Japanese	5	2	3	21.6
Other	5	2	3	12.2

TABLE 14

INFANT MORTALITY FROM ALL CAUSES BY AGE

SAN FRANCISCO - 1956

CAUSE OF DEATH		TOTAL	NEO-NATAL SUB-TOTAL	UNDER 24 HRS.	1-6 DAS.	7-30 DAS.	1-11 MOS.
TOTAL		329	261	147	87	27	68
PRENATAL & NATAL CAUSES & DIS. OF EARLY INFANCY		257	239	138	80	21	18
CONGENITAL MALFORMATIONS	750-759	45	33	12	13	8	12
INJURY AT BIRTH	760-761	49	48	29	16	3	1
ATELECTASIS	762	74	72	41	26	5	2
SEPSIS	767-768	2	1	-	1	-	1
NEONATAL DISORDERS FROM MATERNAL TOXEMIA	769	3	3	2	1	-	-
HEMOLYTIC DISEASES	770	4	4	2	2	-	-
HEMORRHAGIC DISEASES	771	2	2	2	-	-	-
ILL-DEFINED DISEASES	772-773	22	22	13	7	2	-
IMMATURITY UNQUALIFIED OR SUBSIDIARY	774-776	56	54	37	14	3	2
INFECTIONS		40	14	6	5	3	26
PNEUMONIA OF NEWBORN	763	9	7	4	1	2	2
OTHER PNEUMONIA	490-493	21	1	-	-	1	20
OTHER RESPIRATORY	527.2	6	6	2	4	-	-
MENINGOCOCCEMIA	057.1	1	-	-	-	-	1
ACUTE YELLOW ATROPHY OF LIVER		1	-	-	-	-	1
TUBERCULOSIS OF MENINGES & C.N.S.	010	1	-	-	-	-	1
INFECTIOUS HEPATITIS	092	1	-	-	-	-	1
VIOLENT & ACCIDENTAL DEATHS		18	4	-	1	3	14
INHALATION & INGESTION	921-922	4	-	-	-	-	4
MECHANICAL SUFFOCATION BED OR CRADLE	924	13	3	-	-	3	10
NON-ACCIDENTAL POISONINGS	980	1	1	-	1	-	-
ALL OTHER CAUSES		14	4	3	1	-	10
MALIGNANT BRAIN CANCER	193	1	-	-	-	-	1
ACUTE LEUKEMIA	204.3	1	-	-	-	-	1
BENIGN NEOPLASM OF RESPIRATORY SYSTEM	212	1	-	-	-	-	1
MONGOLISM	325.4	1	-	-	-	-	1
CEREBRAL-VASCULAR LESION	334	1	-	-	-	-	1
NON-MENINGO MENINGITIS	340.3	1	-	-	-	-	1
ENCEPHALITIS, NOT ACUTE	343	1	-	-	-	-	1
HERNIA WITHOUT OBSTRUCTION	560	5	4	3	1	-	1
INBORN MUSCLE DEFECT	744.1	1	-	-	-	-	1
UNKNOWN CAUSE	795.5	1	-	-	-	-	1

BUREAU OF COMMUNICABLE DISEASES

The statistics of the past year relative to communicable diseases are indicative of the excellent health conditions prevailing in our city. As the incidence of these diseases decreases over the years, the epidemiological attack becomes one of individualized personal study rather than the mass approach found so useful in the past.

The continuance of preventive measures is most needed if we are to maintain our excellent health record against these potentially dangerous and easily spread diseases.

A comparison of the calendar year 1955 with 1956 indicates an increase in many of the acute communicable diseases. However, the first six months of 1957 show a definite decrease in many diseases as compared to a similar 1956 period.

German Measles, Measles, Mumps, Poliomyelitis and Salmonellosis rose during 1956. However, a drop has occurred during the first half period of 1957. Gonorrhea and Syphilis have not followed with this decline, but have shown a rather steady increase during the past two years.

Streptococcal Sore Throat and Scarlet Fever likewise have shown an increase after a marked rise during the calendar year 1956.

Those diseases susceptible to specific immunological attacks have steadily decreased in frequency. With the present offerings of preventive vaccinations and inoculations, there is scarcely any excuse for the occurrence in a community of such diseases as Smallpox, Diphtheria, Pertussis and Tetanus. Likewise, Typhoid and Paratyphoid are unnecessary, as is Human Rabies. The Venereal Diseases are now so well understood by all informed persons as to make their occurrence really a personal disgrace.

Poliomyelitis has decreased spectacularly during the past six months. Since the Salk Vaccine was perfected and offered without cost by the Government Agencies to all our citizens under forty years, this department provided adequate facilities for immunizing all applicants. The recent advances against Poliomyelitis have placed in our hands a new specific immunological weapon.

From the beginning of the program it was emphasized that several inoculations were desirable, but at least two were necessary, if adequate protection were to be attained.

To date we have given a total of 230,113 inoculations. These have been divided as follows:

First injections	112,292
Second "	85,801
Third "	32,020

TABLE 15

CASES AND DEATHS FROM REPORTABLE DISEASES
CITY AND COUNTY OF SAN FRANCISCO - 1955 & 1956

DISEASES	INTERNATIONAL CODE NUMBER	1956 CASES	1956 RATE	1956 RESIDENT DEATHS	1955 CASES	1955 RATE	1955 RESIDENT DEATHS
TOTAL		10,208	1278.0	393	10,858	1366.0	406
CHICKENPOX	087	1023	128.1	-	2434	306.2	-
DIPHTHERIA	055	1	0.1	-	1	0.1	-
DYSENTERY, AMEBIC	046	6	0.8	-	7	0.9	-
DYSENTERY, BACILLARY	045	63	7.9	1	45	5.7	-
ENCEPHALITIS, ALL FORMS	082-083-089	36	4.5	6	17	2.1	-
EPILEPSY	353	67	8.4	8	84	10.6	6
FOOD POISONING	049.0,049.2	3	0.4	-	-	-	-
GERMAN MEASLES	086	716	89.6	-	438	55.1	-
HEPATITIS, INFECTIOUS	092	46	5.8	4	40	5.0	3
HEPATITIS, SERUM	943;951	2	0.3	-	-	-	-
INFLUENZA	480-483	15*	1.9	5	21*	2.6	3
MEASLES	085	3017	377.6	-	2849	358.4	-
MENINGITIS, MENINGOCOCCAL	057	12	1.5	3	17	2.1	-
MENINGITIS, NON-MENINGOCOCCAL	340	14	1.8	8	3	0.4	-
MUMPS	089	2027	253.7	-	1368	172.1	-
PERTUSSIS	056	64	8.0	-	73	9.2	-
PNEUMONIA	490-493	33*	4.1	226	529*	66.6	226
POLIOMYELITIS, ACUTE	080-081	110**	13.8	3	36**	4.6	2
PSITTACOSIS	096.2	16	2.0	-	3	0.4	-
RHEUMATIC FEVER	400-402	6	0.8	4	20	2.5	4
SALMONELLOSIS	042	151	18.9	-	117	14.7	-
SCARLET FEVER	050	139	17.4	-	236	29.7	-
STREP. SORE THROAT	051	27	3.4	1	96	12.1	-
TRACHOMA	095	2	0.3	-	-	-	-
TRICHINOSIS	128	1	0.1	-	-	-	-
TUBERCULOSIS, PULMONARY	001-003,005-008	502	62.8	87	570	71.1	107
TUBERCULOSIS, PRIMARY	004	43	5.4	-	67	8.4	-
TUBERCULOSIS, OTHER	010-019	36	4.5	5	38	4.8	9
TYPHOID FEVER	040	5	0.6	-	5	0.6	-
TYPHOID CARRIER	-	3	0.4	-	1	0.1	-
CHANCROID	036	13	1.6	-	22	2.8	-
GONOCOCCUS INFECTION	030-035	1534	192.0	-	1363	171.5	-
OTHER V.D.	037-039	3	0.4	-	8	1.0	-
SYPHILIS, ALL FORMS	020-029	472	59.1	32	350	44.0	46

NOTE: CASES AND DEATHS CORRECTED FOR RESIDENCE AND FOR CHANGES IN DIAGNOSIS REPORTED IN 1957.

* CASE REPORTING DISCONTINUED JULY 1, 1955

** BY DATE OF ONSET

RATES PER 100,000 POPULATION.

TABLE 16

POLIOMYELITIS CASES BY DATE OF ONSET, DEATHS AND CASE RATE PER 100,000 POPULATION
SAN FRANCISCO - 1930-1956

YEAR	CASES	CASE RATE	DEATHS	FATALITY RATE*
1930	230	36.3	21	9.1
1931	35	5.5	7	20.0
1932	18	2.8	3	16.7
1933	6	0.9	3	50.0
1934	122	19.2	10	8.2
1035	17	2.7	-	-
1936	11	1.7	-	-
1937	24	3.8	3	12.5
1938	4	0.6	1	25.0
1939	32	5.0	2	6.2
1940	9	1.4	-	-
1941	6	0.9	-	-
1942	6	0.8	1	16.6
1943	144	19.2	2	1.4
1944	36	4.6	1	2.8
1945	39	10.8	4	4.5
1946	53	6.5	6	11.3
1947	23	2.9	3	13.0
1948	299	37.6	24	8.0
1949	127	16.0	9	7.1
1950	61	7.9	6	9.8
1951	84	10.8	6	7.1
1952	242	30.6	16	6.6
1953	110	13.7	11	10.1
1954	148	18.5	6	4.0
1955	36	4.5	2	5.6
1956	110	13.8	3	2.7

* FATALITY RATE, DEATHS PER 100 CASES

TABLE 17

POLIOMYELITIS CASES BY AGE GROUP
SAN FRANCISCO - 1952-1956

AGE GROUPS	1952 CASES	1952 % IN AGE GROUP	1953 CASES	1953 % IN AGE GROUP	1954 CASES	1954 % IN AGE GROUP	1955 CASES	1955 % IN AGE GROUP	1956 CASES	1956 % IN AGE GROUP
TOTAL	242	100.0	109	100.0	148	100.0	36	100.0	110	100.0
UND. 1 YR.	13	5.4	2	1.8	3	2.0	-	-	4	3.6
1 - 4	70	28.9	22	20.2	25	16.9	7	19.4	35	31.8
5 - 9	59	24.4	24	22.0	36	24.3	9	25.1	24	21.8
10 - 14	18	7.4	11	10.1	20	13.5	7	19.4	8	7.3
15 - 19	12	5.0	4	3.7	12	8.1	1	2.8	5	4.6
20 - 24	16	6.6	15	13.8	11	7.4	3	8.3	9	8.2
25 - 29	26	10.7	17	15.6	22	14.9	3	8.3	12	10.9
30 - 34	13	5.4	5	4.6	13	8.8	1	2.8	10	9.1
35 - 39	11	4.6	7	6.4	4	2.7	3	8.3	2	1.8
40 - 44	3	1.2	2	1.8	1	0.7	2	5.6	1	0.9
45 - 49	1	0.4	-	-	-	-	-	-	-	-
50 & OVER	-	-	-	-	1	0.7	-	-	-	-

TABLE 18

POLIOMYELITIS CASES IN SAN FRANCISCO
BY MONTH OF ONSET

CALENDAR YEAR - 1935-1956
SAN FRANCISCO LOCAL

YEAR	TOTAL	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1935	17	1	3	1	-	1	-	2	2	-	6	-	1
1936	11	1	-	-	1	-	1	1	1	3	1	2	-
1937	24	-	-	1	3	1	1	2	3	7	4	2	-
1938	4	-	-	-	-	-	-	-	2	-	-	1	1
1939	32	-	-	-	-	-	-	2	5	9	13	2	1
1940	9	-	-	-	-	-	2	1	3	3	-	-	-
1941	6	-	-	-	-	-	2	1	-	1	1	1	-
1942	6	-	-	-	-	1	-	-	-	-	1	3	1
1943	144	-	1	-	1	7	10	18	28	23	32	23	1
1944	36	6	3	4	-	2	-	2	4	2	7	4	2
1945	89	2	-	-	3	2	3	12	8	19	21	17	2
1946	53	3	4	3	-	2	4	4	10	13	3	2	5
1947	23	2	3	-	2	2	3	4	1	5	-	1	-
1948	299	-	-	4	1	3	5	29	24	41	83	60	49
1949	127	16	4	-	1	1	1	9	12	16	42	18	7
1950	61	2	2	4	4	1	1	2	11	9	10	9	6
1951	84	6	2	-	-	3	4	3	9	18	23	11	5
1952	242	2	1	4	3	7	3	8	28	33	77	49	27
1953	109	14	3	4	-	6	5	8	12	19	11	10	16
1954	143	5	2	4	2	4	5	17	24	36	35	10	4
1955	36	2	1	-	2	1	2	3	2	6	6	4	7
1956	110	5	7	6	6	8	17	18	11	9	16	7	1

VENEREAL DISEASES

In our report of last year, 1955, we indicated that the venereal disease rate which had been decreasing steadily for the previous five to six years, had probably reached a leveling off point. This had been the experience in the large majority of reporting health jurisdictions in the country and, again like these other jurisdictions, the venereal disease rate is starting to increase here in San Francisco. The following rough outline explains the increasing magnitude of the problem:

		Diagnosed Syphilis	Diagnosed Gonorrhea
*	1954	357	1,480
	1955	350	1,363
	1956	472	1,498
**	1957	550	1,800

* Year of Budget reduction with 20 percent loss of staff.
** Projected on the basis of the first six months' figures.

In such areas of great importance as early infectious disease indicating new infections (such as primary and secondary syphilis), one can see a significant increase over the 1954 - 1955 average. There seems to be no change in the pattern of disease incidence as to age, sex and race, but the past few years' experience indicates a trend of an increase of disease in the under 19 age groups.

Not all of the increase can be attributed to a higher incidence of these diseases in the community. A certain portion of the increase is a reflection of improved reporting of cases by private physicians, a result of enlisting diagnostic laboratories in a program to improve the reporting. However, this, at best, would only explain approximately 30 percent of the increase. It would not readily explain the increased number of gonorrhea cases or the increased reporting from facilities not affected by the program to improve reporting.

Although the Division of Venereal Disease Control has limited funds and personnel for educational activities, these are being developed for maximum utilization. A program of direct education of an expected high incidence population should produce even a larger number of reported cases and would have the advantage of reducing the reservoir of infection.

The Epidemiologic section of the Division concerned with tracing sources of infection on the basis of information elicited from diagnosed cases of venereal disease, continues to maintain a high level of efficiency. It conducted 940 interviews of patients with early infectious venereal disease, securing the names of 1639 contacts. 75.4 percent of these were located and examined. Of these examined, 412 were diagnosed as having a venereal disease and treated, preventing further spread of their disease to others as well as the prevention of the development of complications in individual cases. An additional 391 examined were given treatment on an epidemiologic basis, thus avoiding the development of infections to which they were exposed. It may not be inappropriate to mention at this time that the valid indices of success of the section are greater than any of the other major health jurisdictions in California.

Another approach, both educational and preventive, is that of our Psychiatric section currently staffed by one Psychiatric Social Worker. Despite this limitation of personnel, an effective program is operating with special emphasis on the problems of minors. Three hundred and twenty new cases were seen in 1956 for one or more interviews, 45 percent of whom were minors. In this latter case, collateral interviews with parents and guardians were also undertaken. The 650 old and new registrants during the year necessitating 1,029 treatment sessions, is another measure of the section's activity.

TABLE 19

REPORTED CIVILIAN CASES OF VENEREAL DISEASE BY STAGE AND SEX. TWO-YEAR AVERAGE

SAN FRANCISCO, 1956

	TOTAL CASES	MALE	FEMALE	TWO-YEAR AVERAGE
TOTAL TOTAL	2377	1521	~~718~~ 856	2252
SYPHILIS - TOTAL	472	337	135	353
PRIMARY	51	49	2	36
SECONDARY	64	58	6	22
EARLY LATENT	130	86	44	60
LATE LATENT	181	118	63	173
LATE	31	21	10	59
CONGENITAL	15	5	10	3
GONORRHEA - TOTAL	1889	1171	718	1858
GENITO-URINARY	1343	935	408	1359
OTHER	155	113	42	62
EPIDEMIOLOGICALLY TREATED	391*	123	268	437
OTHER TYPES - TOTAL	16	13	3	41
CHANCROID	13	10	3	26
GRANULOMA INGUINALE	1	1	0	1
LYMPHOPATHIA VENEREUM	2	2	0	14

* EXCLUDING 299 FEMALES TREATED IN JAIL.

TABLE 20

CASE RATES FOR VENEREAL DISEASE BY COLOR

	TOTAL	WHITE	NEGRO	OTHER NON-WHITE
VENEREAL DISEASE	297.5	181.7	2115.4	121.1
SYPHILIS	59.1	38.9	363.5	41.8
GONORRHEA	236.4	141.3	1744.2	77.1
OTHER TYPES	2.0	1.6	8.1	2.2

TABLE 21

REPORTED CIVILIAN CASES OF VENEREAL DISEASE BY AGE GROUP AND STAGE OF DISEASE

	TOTAL	UNDER 5 YRS.	5-14 YEARS	15-19 YEARS	20-24 YEARS	25-34 YEARS	35-44 YEARS	45 & OVER	NOT REPORTED
TOTAL	2377	3	21	232	585	1000	357	177	2
SYPHILIS - TOTAL	472	1	-	21	52	174	116	108	-
PRIMARY	51	-	-	2	7	27	9	6	-
SECONDARY	64	-	-	1	5	37	18	3	-
EARLY LATENT	130	--	-	10	26	60	27	7	-
LATE LATENT	181	--	-	3	7	44	55	72	-
LATE	31	-	-	-	1	4	7	19	-
CONGENITAL	15	1	-	5	6	2	-	1	-
GONORRHEA - TOTAL	1889	2	21	209	530	820	237	68	2
GENITO-URINARY	1343	2	13	143	388	600	142	53	2
OTHER	155	-	3	24	40	61	22	5	-
EPIDEMIOLOGICALLY TREATED	391	-	5	42	102	159	73	10	-
OTHER TYPES	16	-	--	2	3	6	4	1	-

TABLE 22

REPORTED CIVILIAN CASES OF VENEREAL DISEASE IN 1956
BY COLOR AND STAGE OF DISEASE
CITY AND COUNTY OF SAN FRANCISCO

	TOTAL		WHITE		NEGRO		OTHER NON-WHITE	
	NUMBER OF CASES	PERCENT OF CASES	NUMBER OF CASES	PERCENT OF CASES	NUMBER OF CASES	PERCENT OF CASES	NUMBER OF CASES	PERCENT OF CASES
VENEREAL DISEASE TOTAL	2377	100.0	1280	53.9	1042	43.8	55	2.3
SYPHILIS TOTAL	472	100.0	274	58.1	179	37.9	19	4.0
PRIMARY	51	100.0	46	90.2	5	9.8	-	-
SECONDARY	64	100.0	57	89.1	7	10.9	-	-
EARLY LATENT	130	100.0	64	49.2	60	46.2	6	4.6
LATE LATENT	181	100.0	87	48.1	85	46.9	9	5.0
LATE	31	100.0	16	51.6	11	35.5	4	12.9
CONGENITAL	15	100.0	4	26.7	11	73.3	-	-
GONORRHEA, TOTAL	1889	100.0	995	52.7	859	45.5	35	1.8
GENITO-URINARY	1343	100.0	690	51.4	630	46.9	23	1.7
OTHER	155	100.0	89	57.4	64	41.3	2	1.3
EPIDEMIOLOGICALLY TREATED	391	100.0	216	55.2	165	42.2	10	2.6
OTHER TYPES, TOTAL	16	100.0	11	68.8	4	25.0	1	6.2
CHANCROID	13	100.0	10	76.9	2	15.4	1	7.7
GRANULOMA INGUINALE	1	100.0	-	-	1	100.0	-	-
LYMPHOPATHIA VENEREUM	2	100.0	1	50.0	1	50.0	-	-

TABLE 23

REPORTED CASES OF VENEREAL DISEASE
BY STAGE AND SOURCE OF REPORT
CITY AND COUNTY OF SAN FRANCISCO - 1956

		SOURCE OF REPORT							
		S.F. HEALTH DEPT.			LOCAL HOSPITALS & CLINICS	PRIV. M.D.	FEDERAL CIVILIANS	OTHER JUR.	MILITARY
VENEREAL DISEASE	TOTAL	33 HUNT	101 GROVE	OTHER CITY					
V.D. TOTALS	2592	1940	76	35	63	221	34	8	215
PERCENT OF TOTAL	100.0	74.9	2.9	1.4	2.4	8.5	1.3	0.3	8.3
SYPHILIS TOTAL	495	283	53	5	33	72	22	4	23
PRIMARY	54	30	1	-	2	15	3	-	3
SECONDARY	64	38	2	-	4	20	-	-	-
EARLY LATENT	149	96	10	3	3	13	5	-	19
LATE LATENT	182	98	30	1	20	18	12	2	1
LATE	31	11	8	1	3	4	2	2	-
CONGENITAL	15	10	2	-	1	2	-	-	-
GONORRHEA TOTAL	2074	1656	23	29	30	146	2	3	185
GENITO-URINARY	1526	1147	17	29	28	120	1	1	183
OTHER	157	134	5	-	2	12	1	1	2
EPIDEMIOLOGICALLY TREATED	391	375	1	-	-	14	-	1	-
OTHER TYPES, TOTAL	23	1	-	1	-	3	10	1	7
CHANCROID	19	-	-	1	-	2	9	1	6
GRANULOMA INGUINALE	1	-	-	-	-	--	1	-	-
LYMPHOPATHIA VENEREUM	3	1	-	-	-	1	-	-	1

TUBERCULOSIS

The Tuberculosis Control program for any community is based primarily upon the detection of all individuals who have active tuberculosis in a communicable stage, and the isolation of such individuals until they are no longer infectious. In most communities the problem deals with a relatively stable resident population, but in certain large metropolitan or seaport areas there is an additional large transient population to be considered. The City and County of San Francisco falls into this latter group and, consequently, has many special problems which the majority of our neighboring counties do not have.

During 1956 there were 581 newly diagnosed cases of active tuberculosis, and 92 deaths due to tuberculosis reported for San Francisco residents. In addition, there were almost as many newly diagnosed cases among non-residents as the result of the tuberculosis control program. Many of the latter group are residents of surrounding bay area counties who work in San Francisco, but others were from more distant areas.

San Francisco has a problem which is comparable to other metropolitan areas of the United States, where each day a large transient population migrates into the city to work for 8 or more hours and then leaves. It has been estimated that 300,000 people from the surrounding counties of San Mateo, Marin, Alameda, and Contra Costa work in San Francisco daily. Should any of these individuals have active tuberculosis in a communicable stage it would be a definite public health hazard to our resident population, since they are in the city for approximately 10 hours each day. In order to protect our citizens from such hazards, the tuberculosis control program, with the assistance of the San Francisco Tuberculosis Association, regularly surveys industries, where the majority of these people work. The larger business firms have been most cooperative in their participation.

In addition, San Francisco has problems which are peculiar to a large seaport, in that there is a large transient population associated with sea and air travel and the maritime field. Also, as any large metropolitan center, we have a Skid Row area into which gravitate alcoholics, both resident and non-resident. The latter group comprises the highest single reservoir of active tuberculosis in a communicable stage in our community. The United States Public Health Service assists us in tuberculosis control among the seamen, and we have several specialized programs aimed directly at our Skid Row population.

The use of the chest minifilm x-ray survey was eliminated from the school tuberculosis program beginning with the fall semester of 1956. The tuberculin skin testing program, which will give us an accurate index as to the degree and rate of infection among the students, will be used solely for all children. The children with positive tuberculin reactions will be followed by x-ray examination of the chest and other diagnostic procedures as indicated.

The tuberculin skin testing program in the San Francisco schools for the fall term of 1956 showed the following results: Tuberculin skin tests given 14,648; 1,044 positive reactors found; 23 cases of active tuberculosis were found among students, and 9 previously unknown active cases of tuberculosis among adult contacts of these children in the home. The program has been more productive than x-ray surveying and will be continued.

When the incidence of tuberculosis is viewed in relation to the Health Centers, it is noted that 68.1% of all the newly diagnosed cases reported were found in the 5 health districts comprising the eastern border and central area of the city. The highest incidence occurred in North East Health district where 21.5% of the reported cases were found, with a case rate of 117.5 per 100,000 population. The second largest number of cases was reported from South of Market, which includes Skid Row, and comprises 15.8% of the total incidence and a case rate of 319.4 per 100,000 population. The Mission, Westside and Central health districts had 10.9%, 10.3% and 9.6% respectively of the total number of cases reported. (See Table 28)

It is interesting to note that again the tuberculosis morbidity and mortality rates have decreased when compared to the preceding year. This is in keeping with the gradual decline in the number of cases diagnosed among San Francisco residents since 1920, and is the direct result of improved public health practices in casefinding and the isolation of individuals with active disease. Although the mortality rate has gradually decreased over the years with the morbidity rate, the decline of the past 4 years has been so sharp that there must have been some added contributing factors; as the newer anti-tuberculosis medications and improved medical and surgical care. The year 1956 marks the first time, in recorded history, that the total deaths from tuberculosis was under 100. The case rate was 72.7 per 100,000 population, with a mortality rate of 11.5 per 100,000. (See Table 24)

Of the 581 newly reported cases, 22% were minimal when first reported, 42% were moderately advanced, and 36% were far advanced. These figures are consistent with those found in other communities and throughout the United States as a whole. However, it indicates that we must intensify our casefinding programs in order to diagnose the cases earlier, and to get them under treatment before the disease becomes advanced. By so doing, the period of hospitalization and treatment will be shortened with a marked decrease in the cost of tuberculosis care to the community and to the individual.

In 1956 there were 92 deaths for which tuberculosis was assigned to be the primary cause. There were an additional 81 deaths in which tuberculosis was a contributory factor, but not the underlying cause. (See Tables 25 and 30) Of the 173 deaths, in which tuberculosis was either a primary or contributory cause, 91 were first reported as having tuberculosis after death, or by death certificate only. This clearly indicates the large amount of clinically significant tuberculosis which is not diagnosed within our community, and compares favorably with the findings reported by Medlor for New York City.

TABLE 24

NEWLY REPORTED CASES & TUBERCULOSIS DEATHS OCCURRING IN SAN FRANCISCO, 1920 - 1956

YEAR	POPULATION	NEWLY REPORTED CASES		DEATHS		NEWLY REPORTED CASES
		NUMBER	RATE	NUMBER	RATE	PER DEATH
1920	506,676*	1411	278.5	670	132.2	2.1
1921	525,777	1347	256.2	638	121.3	2.1
1922	538,512	1409	261.6	637	118.3	2.2
1923	551,247	1230	223.1	666	120.8	1.8
1924	563,982	1223	216.9	661	117.2	1.8
1925	576,717	1179	204.4	644	111.7	1.8
1926	589,452	1032	175.1	611	103.7	1.7
1927	602,187	1101	182.8	593	98.5	1.8
1928	614,911	1143	185.9	634	101.1	1.8
1929	627,657	1456	232.0	621	98.9	2.3
1930	634,394*	1309	206.3	561	88.4	2.3
1931	634,211	1317	207.6	563	88.7	2.3
1932	634,426	1199	189.0	533	84.0	2.2
1933	634,441	1026	161.7	471	74.2	2.2
1934	634,455	865	136.3	453	71.4	1.9
1935	634,469	936	147.5	454	71.6	2.1
1936	634,484	893	140.7	461	72.7	1.9
1937	634,498	1171	184.6	460	72.5	2.5
1938	634,512	1012	159.5	396	62.4	2.6
1939	634,525	827	130.3	424	66.8	2.0
1940	634,536*	945	148.9	420	66.2	2.2
1941	673,109	869	129.1	439	65.1	2.0
1942	711,682	959	134.8	381	53.5	2.5
1943	750,255	837	111.6	363	48.4	2.3
1944	788,828	1033	131.0	430	54.5	2.4
1945	827,400*	851	102.9	470	56.8	1.8
1946	817,400	907	111.0	397	48.6	2.3
1947	806,600	1084	134.4	350	43.4	3.1
1948	796,200	976	122.6	333	41.8	2.9
1949	785,800	1002	127.5	301	38.3	3.3
1950	775,357*	869	112.1	215	27.7	4.0
1951†	776,200	813	104.7	180	23.2	4.5
1952†	791,500	858	108.4	214	27.0	4.0
1953†	795,900	707	88.8	144	18.1	4.9
1954†	798,300	785	98.3	131	16.4	6.0
1955†	794,900	675	84.9	116	14.6	5.8
1956†	798,900	581	72.7	92	11.5	6.3

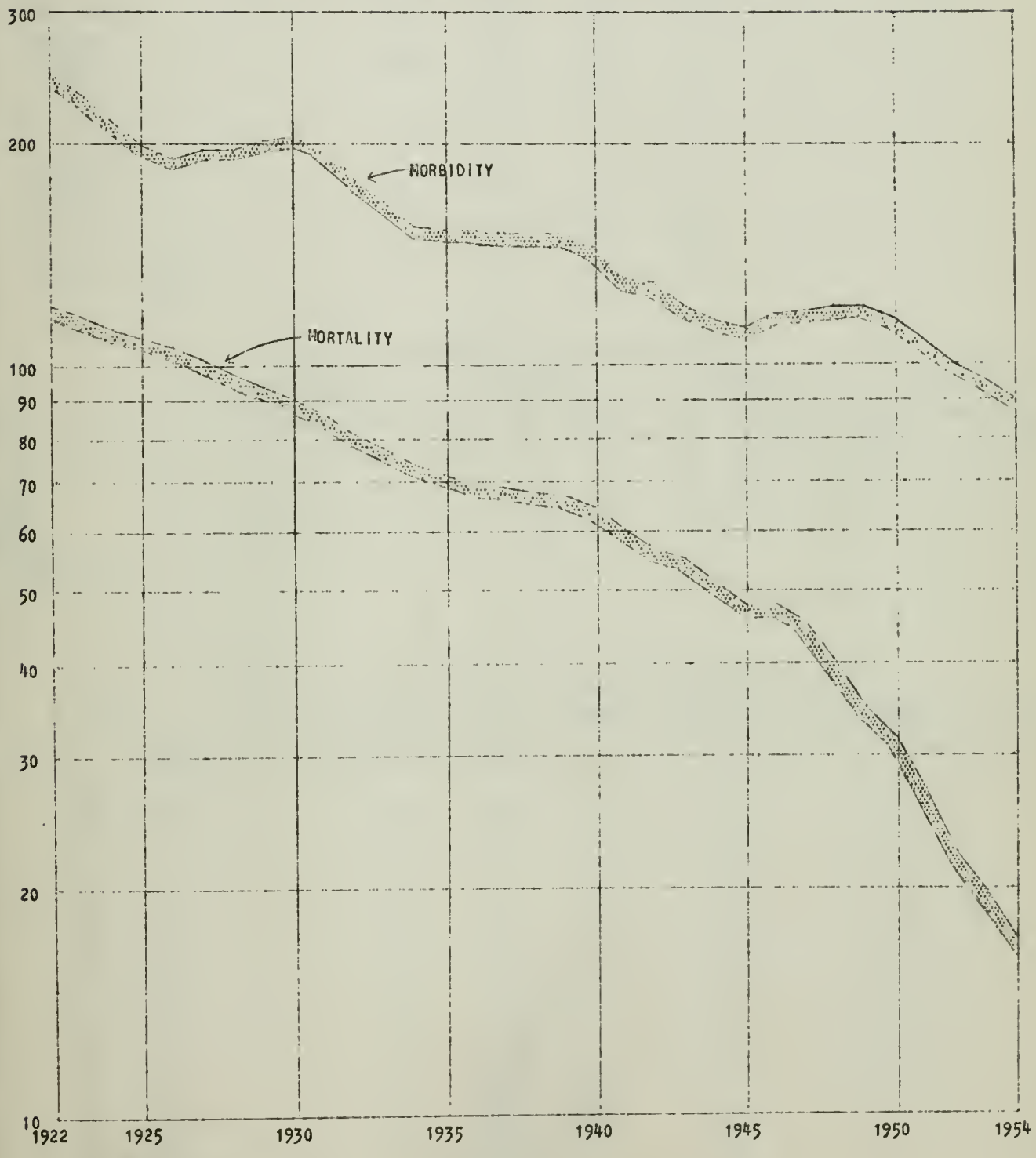
* U.S. Census
† Estimated Population as of July 1, 1956, California State Department of Finance.

RATES PER 100,000 POPULATION.

TRENDS IN TUBERCULOSIS MORBIDITY AND MORTALITY

SAN FRANCISCO, 1920 -1956

(5-YEAR MOVING AVERAGES OF NEWLY REPORTED CASES AND DEATHS)



* PER 100,000

TABLE 25

RESIDENT TUBERCULOSIS CASES REPORTED DURING 1956
DEATHS AND RATES PER 100,000 POPULATION

	TOTAL	WHITE	NEGRO	CHINESE	JAPANESE	OTHER
TOTAL CASES	581	418	85	64	7	7
PULMONARY	502	384	58	49	6	5
PRIMARY	43	21	13	8	-	1
OTHER TYPE	36	13	14	7	1	1
CASE RATE	72.7	59.4	172.6	209.8	98.3	89.7
TOTAL DEATHS	92	78	7	5	2	-
PULMONARY	87	74	6	5	2	-
OTHER	5	4	1	-	-	-
DEATH RATE	11.5	11.1	14.2	16.4	28.1	-
NEW CASES PER DEATH	6.3	5.4	12.1	12.8	35.0	-

TABLE 26

NEW CASES TUBERCULOSIS REPORTED BY RACE, TYPE & SEX

	ALL CASES			PULMONARY			PRIMARY			OTHER		
OLOR	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTALS	581	415	166	502	368	134	43	27	16	36	20	16
WHITE	404	297	107	372	278	94	19	12	7	13	7	6
NEGRO	85	51	34	58	35	23	13	10	3	14	6	8
CHINESE	64	46	18	49	38	11	8	3	5	7	5	2
FILIPINO	14	10	4	12	8	4	2	2	-	-	-	-
JAPANESE	7	6	1	6	5	1	-	-	-	1	1	-
AMERICAN INDIAN	3	3	-	2	2	-	-	-	-	1	1	-
OTHER	4	2	2	3	2	1	1	-	1	-	-	-

TABLE 27

PERCENT OF NEW TUBERCULOSIS CASES IN EACH AGE GROUP BY COLOR

INTERVAL	ALL CASES	WHITE	NEGRO	CHINESE	ALL OTHER
TOTAL	100.0	69.6	14.6	11.0	4.8
UND. 1 YEAR	0.4	0.4	-	-	-
1 - 4	4.3	2.4	1.5	0.2	0.2
5 - 9	2.4	0.7	0.5	1.0	0.2
10 - 14	1.7	0.9	0.5	0.2	0.2
15 - 19	2.9	1.2	0.9	0.7	0.2
20 - 24	6.9	4.0	0.7	1.5	0.7
25 - 29	6.7	3.4	1.5	1.4	0.4
30 - 34	10.0	5.5	2.4	1.7	0.4
35 - 39	7.7	4.2	2.6	0.5	0.5
40 - 44	8.8	6.0	1.7	0.5	0.5
45 - 49	9.8	7.4	0.9	1.0	0.5
50 - 54	9.0	7.2	0.7	0.7	0.4
55 - 59	6.7	6.2	-	-	0.5
60 - 64	8.4	6.5	0.5	1.0	0.4
65 - 69	5.0	4.6	0.2	0.2	-
70 & OVER	9.3	9.0	-	0.4	-

* PERCENTS AS CALCULATED.

TABLE 28

NEW CASES OF TUBERCULOSIS BY HEALTH DISTRICTS
SAN FRANCISCO RESIDENTS - 1956

HEALTH DISTRICTS	CASES	RATES PER 100,000 POP.	PERCENT
TOTALS	581	72.7	100.0
NORTHEAST	125	117.5	21.5
CENTRAL	56	35.6	9.6
WESTSIDE	60	95.5	10.3
MARINA-RICHMOND	45	35.1	7.8
SOUTH OF MARKET	92	319.4	15.8
MISSION	63	86.8	10.9
EUREKA-NOE	36	48.6	6.2
HUNTER'S POINT	31	50.5	5.3
ALEMANY	30	39.8	5.2
SUNSET	43	34.7	7.4

TABLE 29

INTERVAL BETWEEN REPORTING OF DISEASE AND DEATH

	NUMBER OF DEATHS	PERCENT OF DEATHS
TOTAL	173	100.0
LESS THAN 6 MONTHS	13	6.5
6 - 11 MONTHS	3	1.7
12 - 17 MONTHS	7	4.0
18 - 23 MONTHS	8	4.6
2 YEARS	11	6.4
3 YEARS	6	3.5
4 YEARS	3	1.7
5 - 9 YEARS	25	14.5
10 - 14 YEARS	5	2.9
15 YEARS & OVER	1	0.6
REPORTED AFTER DEATHS OR BY DEATH CERTIFICATE	91	52.6

* THIS FIGURE INCLUDES 92 DEATHS ASSIGNED TO TUBERCULOSIS AND 81 DEATHS IN WHICH TUBERCULOSIS WAS A CONTRIBUTORY FACTOR BUT NOT THE CODED CAUSE OF DEATH. ASSIGNMENTS OF THE 81 DEATHS ARE INCLUDED IN TABLE 30

TABLE 30

CAUSES OF DEATH FOR PERSONS HAVING HAD TUBERCULOSIS

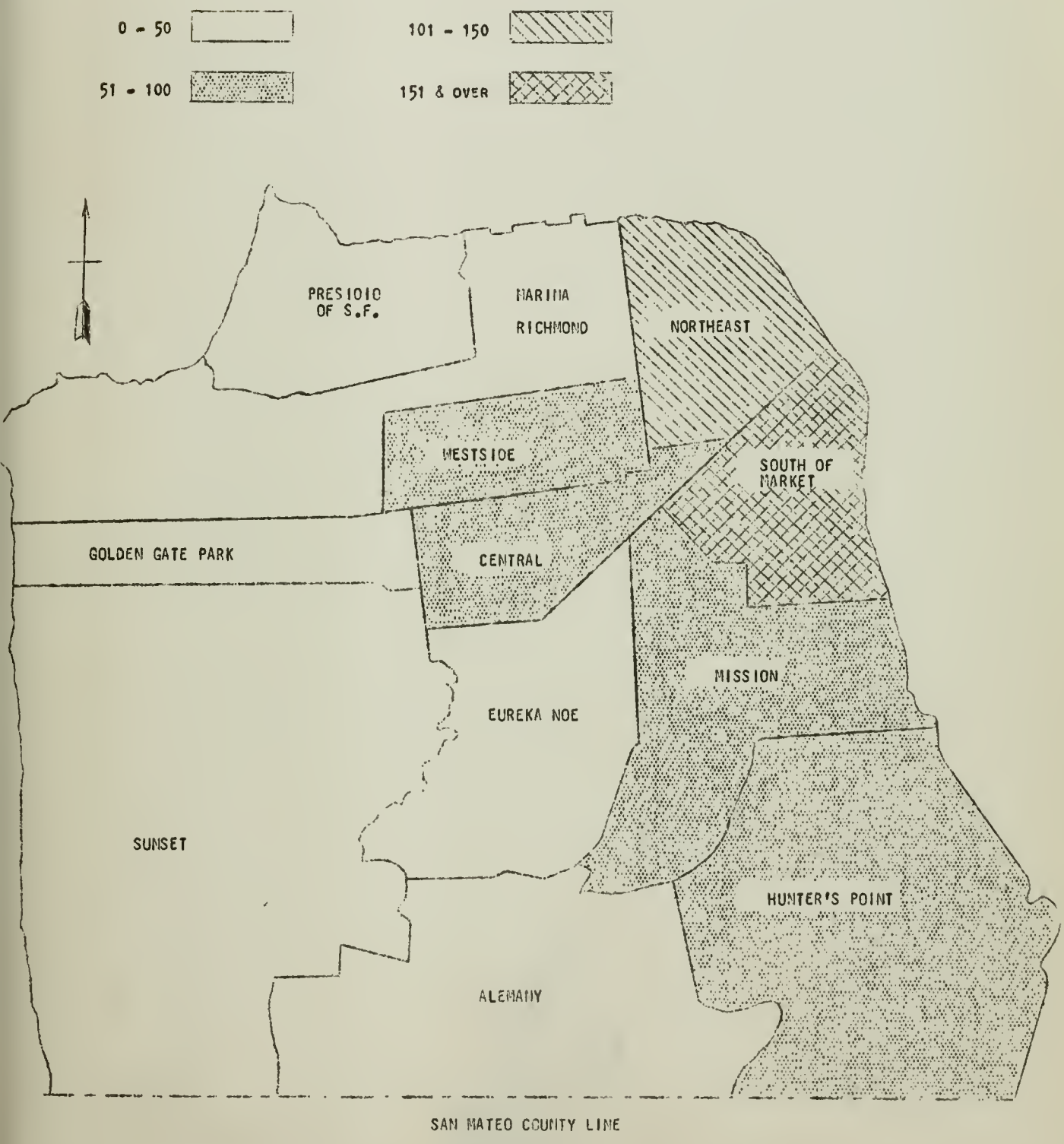
1956

CAUSE OF DEATH	NUMBER OF DEATHS
TOTAL	81
MALIGNANT NEOPLASMS	24
HEART DISEASES	23
CIRRHOSIS OF LIVER	6
PNEUMONIAS	6
CEREBRAL HEMORRHAGE	5
SUICIDES	3
ULCERS OF STOMACH AND DUODENUM	2
OTHER	13

INCIDENCE OF TUBERCULOSIS IN SAN FRANCISCO BY HEALTH CENTER

NEW CASES PER 100,000 POPULATION

1956



SOURCE: CITY AND COUNTY OF SAN FRANCISCO HEALTH DEPARTMENT, DIVISION OF TUBERCULOSIS CONTROL MORBIDITY REPORTS, 1956.